In cooperation with the U.S. Environmental Protection Agency

Water-Quality Data for Selected Streams in the Mississippi Alluvial Plain Ecoregion, Northwestern Mississippi, September – October 2007

Data Series 493

Cover photographs. Left: Vaney Creek, Tallahatchie County, Mississippi; Right: *Lampsilis* sp. at Black Bayou, Sunflower County, Mississippi.

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By Matthew B. Hicks and Shane J. Stocks

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Data Series 493

**U.S. Department of the Interior
U.S. Geological Survey**

U.S. Department of the Interior
KEN SALAZAR, Secretary

U.S. Geological Survey
Marcia K. McNutt, Director

U.S. Geological Survey, Reston, Virginia: 2010

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Suggested citation:

Hicks, M.B., and Stocks, S.J., 2010, Water-quality data for selected streams in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September – October 2007: U.S. Geological Survey Data Series Report 493, 118 p.

Contents

Abstract	1
Introduction.....	1
Description of the Study Area	1
Purpose and Scope	3
Methods.....	3
Collection of Field Measurements	3
Collection of Water Samples	4
Processing of Water Samples	4
Results	4
References Cited.....	4

Figure

1. Location of study area and water-quality sampling sites within the Mississippi Alluvial Plain ecoregion, northwestern Mississippi2

Tables

1. Station names, station numbers, and locations of stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 20075
2. Physical and chemical properties measured in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.7
3. Summary of surface-water quality analytical results for stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 20078
4. Physical property data recorded at half-hour intervals for station 07279836 Ark Bayou near Tibbs, Mississippi, September 17–19, 200711
5. Physical property data recorded at half-hour intervals for station 07279937 David Bayou near Sledge, Mississippi, September 17–19, 200714
6. Physical property data recorded at half-hour intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 200717
7. Physical property data recorded at half-hour intervals for station 07280555 Tillatoba Creek west of Charleston, Mississippi, September 24–27, 200723

8.	Physical property data recorded at half-hour intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007	26
9.	Physical property data recorded at half-hour intervals for station 07286011 Brushy Creek near Macel, Mississippi, October 1–3, 2007	33
10.	Physical property data recorded at half-hour intervals for station 07287310 Spring Branch near Tchula, Mississippi, September 11–13, 2007	36
11.	Physical property data recorded at half-hour intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007	39
12.	Physical property data recorded at half-hour intervals for station 07288280 Big Sunflower River near Merigold, Mississippi, September 24–27, 2007	45
13.	Physical property data recorded at half-hour intervals for station 07288365 Lead Bayou near Boyle, Mississippi, October 1–3, 2007	49
14.	Physical property data recorded at half-hour intervals for station 07288600 Quiver River near Moorhead, Mississippi, October 1–3, 2007	52
15.	Physical property data recorded at half-hour intervals for station 07288656 Bogue Phalia near Darlove, Mississippi, October 2–4, 2007	55
16.	Physical property data recorded at half-hour intervals for station 07288792 Deer Creek northeast of Valley Park, Mississippi, September 10–14, 2007	58
17.	Physical property data recorded at half-hour intervals for station 325901090465500 Jaynes Bayou at Mouth near Anguilla, Mississippi, September 10–13, 2007	63
18.	Physical property data recorded at half-hour intervals for station 330730090431300 Murphy Bayou at Murphy, Mississippi, September 10–13, 2007	67
19.	Physical property data recorded at half-hour intervals for station 332749090103400 Pelucia Creek near Rising Sun, Mississippi, October 1–3, 2007	71
20.	Physical property data recorded at half-hour intervals for station 333328090554800 Clear Creek near Stringtown, Mississippi, September 10–13, 2007	74
21.	Physical property data recorded at half-hour intervals for station 333615090061800 Teoc Creek near Teoc, Mississippi, October 1–3, 2007	78
22.	Physical property data recorded at half-hour intervals for station 334747090285000 Wild Bill Bayou near Drew, Mississippi, September 11–13, 2007	81
23.	Physical property data recorded at half-hour intervals for station 335105090415300 Mound Bayou near Merigold, Mississippi, September 24–27, 2007	84
24.	Physical property data recorded at half-hour intervals for station 335458090287000 Bear Bayou near Parchman, Mississippi, September 24–27, 2007	88
25.	Physical property data recorded at half-hour intervals for station 335749090273300 Home Cypress Bayou near Rome, Mississippi, September 17–20, 2007	92
26.	Physical property data recorded at half-hour intervals for station 335919090133600 Opossum Bayou near Webb, Mississippi, September 24–27, 2007	96
27.	Physical property data recorded at half-hour intervals for station 340157090071200 Unnamed Tributary Panola Floodway near Charleston, Mississippi, September 24–27, 2007	100
28.	Physical property data recorded at half-hour intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007	104
29.	Physical property data recorded at half-hour intervals for station 341640090055100 Unnamed Tributary to Tallahatchie River near Locke Station, Mississippi, September 17–19, 2007	110
30.	Physical property data recorded at half-hour intervals for station 341701090113300 Ash Log Bayou near Bobo, Mississippi, September 17–19, 2007	113
31.	Physical property data recorded at half-hour intervals for station 344516090164400 Floyd Bayou, near Green River, Mississippi, September 17–19, 2007	116

Conversion Factors

Inch/Pound to SI

Multiply	By	To obtain
Length		
millimeter (mm)	0.039	inch (in.)
mile (mi)	1.609	kilometer (km)
Area		
square mile (mi ²)	2.590	square kilometer (km ²)
Volume		
gallon (gal)	3.785	liter (L)
liter (L)	0.26417	gallon (gal)
Flow		
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second (m ³ /s)

SI to Inch/Pound

Multiply	By	To obtain
Length		
millimeter (mm)	0.03937	inch (in.)
Volume		
liter (L)	0.2642	gallon (gal)

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

Specific conductance is given in microsiemens per centimeter at 25 degrees Celsius (μS/cm at 25 °C).

Concentrations of chemical constituents in water are given either in milligrams per liter (mg/L) or micrograms per liter (μg/L).

Water-Quality Data for Selected Streams in the Mississippi Alluvial Plain Ecoregion, Northwestern Mississippi, September–October 2007

By Matthew B. Hicks and Shane J. Stocks

Abstract

From September through October 2007, the U.S. Geological Survey, in cooperation with the U.S. Environmental Protection Agency, collected and analyzed water-quality samples from streams in the Yazoo River basin within the Mississippi Alluvial Plain ecoregion in northwestern Mississippi. Water-quality samples were collected at 56 sites in the study area and analyzed for various physical and chemical characteristics including, but not limited to, suspended sediment, nutrients, and chlorophyll *a*. Additionally, water temperature, pH, specific conductance, and dissolved oxygen data were measured at 28 of the sites using multiparameter water-quality meters at 30-minute intervals for a minimum of 48 hours. Data collected for this project will be used in the development of water-quality criteria for nutrients. The nutrient data will enhance existing datasets and support evaluation of cause and effect relations for nutrient criteria development. In addition, these indicators will assist in the development and evaluation of restoration and remediation plans for water bodies not meeting their designated uses, as stated in the U.S. Environmental Protection Agency's Clean Water Act Section 303(d).

Introduction

The U.S. Environmental Protection Agency (USEPA), under the authority of the Clean Water Act, requires States to identify impaired waters and develop remediation and restoration measures to improve water quality. The identification of impaired waters and understanding the causes and sources of impairment can be achieved by using scientifically based water-quality standards and criteria for physical, chemical, and biological attributes of surface waters. However, criteria of many physical, chemical, and biological properties have not been developed for streams in the Mississippi Alluvial Plain (MAP) ecoregion in northwestern Mississippi, all of which are part of the Yazoo River basin. The lack of criteria for this region makes it difficult to identify impaired waters, determine cause of impairment, and understand achievable target levels for remediation efforts. Since 2000, the USEPA has published more than 26 ecoregional nutrient criteria, which underscore

a national focus on developing ecoregional nutrient-specific water-quality criteria for surface waters. The urgency and importance of developing nutrient standards and criteria for streams in the MAP ecoregion in northwestern Mississippi have been further magnified by an interest in understanding magnitudes and sources of nutrient loadings to the Gulf of Mexico.

The proximity of the Yazoo River basin to the Gulf of Mexico, the intensive agricultural land use within the basin, and the relatively small amount of data have led to the speculation that the Yazoo River basin may be contributing a disproportionate amount of nutrients into the Mississippi River and hence to the Gulf of Mexico (Kleiss and others, 2000). Attempts have been made to better understand and characterize the nutrient loadings from the Yazoo River basin to the Mississippi River through data collection, data analyses, and modeling (Alexander and others, 1997; Runner and others, 2002). In 2002, a collaborative effort was initiated among many State and Federal agencies to collect data in the MAP portion of the Yazoo River basin, including nutrient concentrations and fish and macroinvertebrate biological response indicators (Rebich and others, 2004). Since 2002, data collection has continued to further the development of a robust water-quality and biological database for this region (Bryson and others, 2007).

Description of the Study Area

The Yazoo River basin in northwestern Mississippi drains to the Mississippi River and ultimately to the Gulf of Mexico and is the largest river basin in Mississippi encompassing about 13,400 square miles (mi²). The Yazoo River basin is characterized by an area of uplands and an area of lowlands, each of which makes up approximately half of the entire basin area. The lowland area is locally referred to as the Delta, and lies within the MAP ecoregion. A steeply sloped land form creates the Bluff Hills that separate the lowland and upland regions of the Yazoo River basin. The Yazoo River is formed by the confluence of the Yalobusha and Tallahatchie Rivers, both of which have headwaters in the uplands. The Yazoo River flows southward until it reaches the Mississippi River at Vicksburg, MS. Two large river systems, the Sunflower River and Steele Bayou, merge with the Yazoo River above

its confluence with the Mississippi River. The headwaters of these two river systems originate in the lowlands area of the basin, and both rivers remain in the lowlands until their confluence with the Yazoo River (fig. 1). The Yazoo River basin is sparsely populated, and the majority of the land use in the basin is agricultural (U.S. Geological Survey, 1990).

Purpose and Scope

The purpose of this report is to present data collected, including but not limited to nitrogen species, phosphorus species, chlorophyll *a*, suspended sediment, and oxygen to provide a stronger database for developing scientifically defensible nutrient criteria. The U.S. Geological Survey (USGS), in cooperation with the USEPA, collected water-quality data from September through October 2007 at 56 sites located along streams in the MAP ecoregion in northwestern Mississippi. Data from this study will be added to the existing database of chemical, physical, and biological data to strengthen analysis and evaluation of cause and effect relations in determination of nutrient criteria for rivers and streams in the MAP ecoregion in northwestern Mississippi and to assist in the development and evaluation of restoration and remediation plans for water bodies not meeting their designated uses. This report describes the data-collection and analytical methods used in this study and presents, in tabular form, the data collected.

Methods

Water-quality data collection consisted of measurements of physical and chemical properties in the field and water samples for laboratory analysis at each of the 56 sites. In addition, continuous measurements were recorded for a minimum of 48 hours at 28 of the 56 sites, using deployed multi-parameter water-quality sondes. The USGS and Mississippi Department of Environmental Quality (MDEQ) station numbers, station names, and location information for the sampling sites are listed in table 1. Physical and chemical properties measured in the field or analyzed in the laboratory are listed in table 2. Field-data collection was conducted by the USGS. Field methods used in collecting water samples for chemical analysis followed the USGS National Field Manual for the Collection of Water-Quality Data (Wilde and Radtke, 1998). Sample processing and laboratory analyses followed guidelines in the MDEQ Quality Assurance Project Plan (Mississippi Department of Environmental Quality, 2007) and the 2006 Quality Assurance Plan for Water-Quality Activities in the USGS Mississippi Water Science Center (R.A. Rebich, U.S. Geological Survey, written commun., 2006).

Collection of Field Measurements

Field measurements of five water-quality characteristics (water temperature, specific conductance, pH, dissolved-oxygen concentration, and turbidity) were made by using YSI 6920 V2-1 Multi-Parameter Water-Quality Sondes, YSI 600XLM Multi-Parameter Water-Quality Sondes, and a Hach 2100 Portable Turbidimeter. Field measurements were made at all 56 sites at the time of water-sample collection using the YSI 600XLM sonde and a Hach 2100 Portable Turbidimeter. YSI 6920 sondes were deployed and left for a minimum of 48 hours at 28 of the 56 sites, and continuous measurements were made at 30-minute intervals. Reference measurements were made for quality-control purposes, using the YSI 600XLM sonde that was placed directly beside the deployed sonde at the same depth at the time of deployment and retrieval of deployed. Reference and field measurements were made at mid-depth and in the middle of the channel thalweg. Sondes deployed for continuous 30-minute interval readings were placed in the water column facing upstream and secured to a metal fence post with plastic ties. Prior to deployment, pH was calibrated at 4, 7, and 10; specific conductance was calibrated with a 1-point calibration at either 180, 250, or 500 microsiemens per centimeter ($\mu\text{S}/\text{cm}$) at 25 degrees Celsius and verified with a known standard on the high and low end of the calibrated value; dissolved oxygen was calibrated to 100-percent saturation; and turbidity was calibrated to 0 (deionized water), 40, and 100 nephelometric turbidity units (NTU). All pre-calibration readings were recorded. Immediately after the sonde was retrieved from deployment onsite, both the reference and deployed sondes were placed in a 5-gallon plastic bucket filled with streamwater, and physical measurements were recorded. The deployed sonde was cleaned and rinsed and placed back into the bucket with the reference sonde, and physical measurements were recorded a second time. Finally, deployed sondes were calibrated in the laboratory after returning from the field, and post-calibration readings were recorded. These data were used to quantify change over time in recorded values measured during deployment, which could have been attributed to fouling, drift, or equipment failure. The maximum change measured for the deployment period was $\leq \pm 0.2$ standard pH units, $\leq \pm 10$ percent for specific conductance, $\leq \pm 0.5$ mg/L of dissolved oxygen, and $\leq \pm 10$ percent for turbidity, all considered good or excellent based on data quality objectives (Mississippi Department of Environmental Quality, 2007). Therefore, readings for pH, specific conductance, and dissolved oxygen were not corrected for drift. However, some values for turbidity were measured below 0.0 (negative values measured). For sites where turbidity values were below 0.0, all turbidity data for that site were omitted from this report. Streamflow measurements were measured or estimated at most sites, and if flow was not present, no streamflow data were collected. Although some sites did not have flow, field measurements of physical properties were made, and water samples were collected.

Figure 1. Location of study area and water-quality sampling sites in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi.

Collection of Water Samples

Water samples were collected either by wading into the stream, from a bridge by using a cabled sampler, or from a boat in remote areas. At stream sites with flow, a minimum of five 1-liter (L) bottles were filled from equal width/discharge transects across the stream and depth integrated. All 1-L bottle samples were used for onsite processing.

At sites with no flow, grab samples were collected by placing sample containers directly into the stream at mid-channel and mid-depth. All sampling equipment was constructed of either Teflon®, glass, or stainless steel, and was cleaned prior to sample collection with 0.2-percent solution of nonphosphate detergent, rinsed with tap water and deionized water, allowed to dry in a dust-free area, and wrapped in aluminum foil or placed in plastic bags for protection.

Processing of Water Samples

The 1-L glass bottles collected at sites with streamflow were composited into a churn that was pre-rinsed onsite. All onsite filtering was performed using a low vacuum pump. All orthophosphate samples were filtered using a capsule filter containing a 0.45-micron filter and a 100-milliliter (mL) plastic filtration cup to capture the filtered water. The 100-mL plastic filtration cup was immediately placed on ice and remained chilled until delivered to the laboratory. Chlorophyll *a* samples were processed by filtering 25 mL of water through a 0.47-millimeter (mm) baked glass-fiber filter three times, for a total of three filters per site. Each filter was folded in half and enclosed inside a two-piece petri dish, and all three petri dishes were wrapped together in aluminum foil and packed on dry ice. All water samples were delivered for analysis to the MDEQ laboratory in Pearl, MS, within 48 hours of collection, with the exception of samples for suspended sediment analysis, which were delivered to the USGS sediment laboratory in Baton Rouge, LA.

Quality-control procedures were followed according to the MDEQ Quality Assurance Project Plan (Mississippi Department of Environmental Quality, 2007) and the 2006 Quality Assurance Plan for Water-Quality Activities in the USGS Mississippi Water Science Center (R.A. Rebich, U.S. Geological Survey, written commun., 2006). Split replicate samples were collected at 20 percent of the sites and sent to the USGS National Water Quality Laboratory in Lakewood, CO, for quality assurance. Field replicate samples were collected at 10 percent of the 56 sites and sent to the MDEQ laboratory in Pearl, MS, for field-collection quality assurance.

Results

Water-quality data for 56 sites sampled in the MAP ecoregion, northwestern Mississippi, during September–October 2007 are listed in table 3. Physical properties recorded continuously at 30-minute intervals at 28 of the 56 project sites during September–October 2007 are listed in tables 4–31. Data results are stored electronically at the USGS Mississippi Water Science Center, in Jackson, MS, and can be accessed at <http://waterdata.usgs.gov/ms/nwis>.

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Table 1. Station names, station numbers, and locations of stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.

[MDEQ, Mississippi Department of Environmental Quality; USGS, U.S. Geological Survey; nr, near; MS, Mississippi; NE, northeast; Station numbers in bold were sampled for continuous physical properties at 30-minute intervals in addition to an instantaneous measurement for all other chemical characteristics]

USGS station number	MDEQ station number	USGS station name	Latitude (Degrees Minutes Seconds)	Longitude (Degrees Minutes Seconds)
07273610	E117	Panola Quitman Floodway nr Charleston, MS	34°02'03"	90°07'31"
07279140	E108	Lake Cormorant Bayou nr Lake Cormorant, MS	34°51'37"	90°12'52"
07279299	E109	Buck Island Bayou near Prichard, MS	34°42'26"	90°14'27"
07279748	E110	White Oak Bayou at McDonald Road nr Tibbs, MS	34°30'59"	90°19'17"
07279836	D001	Ark Bayou nr Tibbs, MS	34°27'20"	90°22'20"
07279937	D002	David Bayou nr Sledge, MS	34°25'14"	90°14'02"
07279970	D031	BoBo Bayou at Bobo, MS	34°17'00"	90°10'32"
07280555	D023	Tillatoba Creek west of Charleston, MS	34°00'07"	90°07'38"
07280810	E106	Cassidy Bayou nr Mattson, MS	34°08'22"	90°27'17"
07280851	E107	Cassidy Bayou East of Vance, MS	34°05'02"	90°19'15"
07286006	D026	Ascalmore Creek nr Macel, MS	33°50'20"	90°07'56"
07286011	D003	Brushy Creek nr Macel, MS	33°48'52"	90°07'34"
07286012	D030	Tippo Bayou nr Macel, MS	33°48'33"	90°08'34"
07286955	E111	Big Sand Creek at Mouth nr Greenwood, MS	33°33'40"	90°10'02"
07287309	E112	Tchula Lake nr Thorton, MS	33°05'37"	90°21'43"
07287310	D022	Spring Branch nr Tchula, MS	33°14'31"	90°11'02"
07288010	E009	Big Sunflower River at Hopson Spur, MS	34°09'23"	90°32'59"
07288140	E113	Howden Lake nr Duncan, MS	34°03'14"	90°41'46"
07288185	D032	Black Bayou at Baltzer, MS	33°59'00"	90°35'39"
07288280	D012	Big Sunflower River nr Merigold, MS	33°49'57"	90°40'12"
07288365	D015	Lead Bayou nr Boyle, MS	33°43'07"	90°38'34"
07288600	D020	Quiver River nr Moorhead, MS	33°29'16"	90°31'06"
07288607	E114	Porter Bayou nr Indianola, MS	33°29'19"	90°38'34"
07288609	E124	Quiver River above the mouth nr Moorehead, MS	33°28'29"	90°33'15"
07288610	E012	Big Sunflower River nr Moorehead, MS	33°27'44"	90°33'45"
07288624	E014	Big Sunflower River at Kinlock, MS	33°18'34"	90°42'23"
07288643	E027	Bogue Phalia nr Shaw, MS	33°36'10"	90°51'10"
07288647	E127	Bogue Phalia above Elizabeth, MS	33°26'49"	90°51'32"
07288656	E115	Bogue Phalia nr Darlove, MS	33°15'15"	90°43'54"
07288720	E008	Big Sunflower River at Holly Bluff, MS	32°48'49"	90°43'08"
07288792	D010	Deer Creek NE of Valley Park, MS	32°38'05"	90°51'47"
07288908	E118	Steele Bayou below Onward, MS	32°40'11"	90°57'17"

Table 1. Station names, station numbers, and locations of stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.—Continued

[MDEQ, Mississippi Department of Environmental Quality; USGS, U.S. Geological Survey; nr, near; MS, Mississippi; NE, northeast; Station numbers in bold were sampled for continuous physical properties at 30-minute intervals in addition to an instantaneous measurement for all other chemical characteristics]

USGS station number	MDEQ station number	USGS station name	Latitude (Degrees Minutes Seconds)	Longitude (Degrees Minutes Seconds)
07288935	E119	Steele Bayou above the Sunflower Cut-off nr Redwood, MS	32°27'53"	90°53'35"
07288938	E017	Steele Bayou Floodgate (Landside) nr Redwood, MS	32°27'09"	90°53'25"
0728860950	E123	Quiver River at North Mobile Rd Nr Moorehead, MS	33°28'05"	90°33'52"
0728862450	E126	Big Sunflower above Bogue Phalia near Darlove, MS	33°15'15"	90°43'48"
0728879790	E116	False River nr Onward, MS	32°42'23"	90°52'52"
325449090451700	E122	Big Sunflower River below Holly Bluff Cut-off nr Rolling Fork, MS	32°54'49"	90°45'17"
325616090461600	E121	Big Sunflower River at Big Eddy Landing nr Rolling Fork, MS	32°56'16"	90°46'16"
325901090465500	D014	Jaynes Bayou at Mouth nr Anguilla, MS	32°58'56"	90°46'42"
330236090420100	E120	Big Sunflower River nr Delta City, MS	33°02'36"	90°42'01"
330730090431300	D018	Murphy Bayou at Murphy, MS	33°07'30"	90°43'13"
331637090432700	E125	Big Sunflower River below Kinlock, MS	33°16'37"	90°43'27"
332749090103400	D019	Pelucia Creek nr Rising Sun, MS	33°27'51"	90°10'25"
333328090554800	D029	Clear Creek nr Stringtown, MS	33°33'28"	90°55'48"
333615090061800	D038	Teoc Creek nr Teoc, MS	33°36'15"	90°06'18"
334747090285000	D028	Wild Bill Bayou nr Drew, MS	33°47'47"	90°28'50"
335105090415300	D017	Mound Bayou nr Merigold, MS	33°51'03"	90°41'51"
335458090287000	D011	Bear Bayou nr Parchman, MS	33°54'57"	90°28'48"
335749090273300	D013	Home Cypress Bayou nr Rome, MS	33°57'49"	90°27'33"
335919090133600	D007	Opossum Bayou nr Webb, MS	33°59'19"	90°13'36"
340157090071200	D008	Unnamed Tributary Panola Floodway nr Charleston, MS	34°01'57"	90°07'12"
340423090210800	D034	Hopson Bayou at Vance, MS	34°04'23"	90°21'08"
341640090055100	D025	Unnamed Tributary to Tallahatchie River nr Locke Station, MS	34°16'39"	90°05'52"
341701090113300	D006	Ash Log Bayou nr Bobo, MS	34°17'01"	90°11'33"
344516090164400	D005	Floyd Bayou, nr Green River, MS	34°45'16"	90°16'44"

Table 2. Physical and chemical properties measured in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.

[FNU, formazin nephelometric units; NTU, nephelometric turbidity units; mg/L, milligrams per liter; %, percent; $\mu\text{S}/\text{cm}$, microsiemens per centimeter; $^{\circ}\text{C}$, degrees Celsius; ft^3/s , cubic foot per second; Cl, chloride; N, nitrogen; P, phosphorus; $\mu\text{g}/\text{L}$, micrograms per liter]

48-hour continuous measurements	Instantaneous field physical-chemical water measurements	Instantaneous water samples for laboratory analysis
Turbidity (FNU)	Discharge (ft^3/s)	Alkalinity as CaCO_3
Dissolved oxygen (mg/L)	Turbidity (NTU)	Chloride (mg/L as Cl)
Dissolved oxygen (% Saturation)	Dissolved oxygen (mg/L)	Total suspended solids (mg/L)
pH (standard units)	pH (standard units)	Ammonia (mg/L as N)
Specific conductance ($\mu\text{S}/\text{cm}$)	Specific conductance ($\mu\text{S}/\text{cm}$)	Nitrogen, total Kjeldahl (mg/L as N)
Water temperature ($^{\circ}\text{C}$)	Water temperature ($^{\circ}\text{C}$)	Nitrite plus nitrate (mg/L as N)
		Orthophosphate (mg/L as P)
		Total phosphorus (mg/L as P)
		Total organic carbon (mg/L)
		Chemical oxygen demand (mg/L)
		Chlorophyll a ($\mu\text{g}/\text{L}$)
		Total suspended sediment (mg/L)

Table 3. Summary of surface-water quality analytical results for stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; NTU, nephelometric turbidity units; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; Cl, chloride; N, nitrogen; P, phosphorus; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

USGS station number*	Date (month/day/year)	Time (24-hour)	Discharge, instantaneous (ft ³ /s)	Turbidity (NTU)	Dissolved oxygen (mg/L)	pH (standard units)	Specific conductance (µS/cm)	Water temperature (degrees Celsius)	Alkalinity as CaCO ₃ (mg/L)	Chloride (mg/L as Cl)	Total suspended Solids (mg/L)	Ammonia N (mg/L as N)	Nitrogen, total Kjeldahl (mg/L as N)	Nitrite plus nitrate (mg/L as N)	Orthophosphate (mg/L as P)	Total phosphorus (mg/L as P)	Total organic carbon (mg/L)	Chemical oxygen demand (mg/L)	Chlorophyll <i>a</i> (µg/L)	Suspended sediment (mg/L)
07273610	9/18/2007	1000	263	21	8.1	7.6	93	23.9	31.3	9.2	43	<0.10	1.03	0.03	<0.01	0.09	3	<10	22.9	62
07279140	9/12/2007	1500	3.8	35	4.7	7.7	405	28.0	170	24.3	48	0.5	1.57	0.1	0.18	0.33	5	30	6.7	82
07279299	9/12/2007	1340	<1.0	36	6.8	8.1	524	25.2	261	15.6	39	<0.10	1.44	0.04	0.16	0.23	7	<10	16.4	93
07279748	9/12/2007	1230	--	43	5.6	7.4	287	23.3	124	16.3	35	0.15	1.17	0.03	0.14	0.26	5	<10	78.5	57
07279836	9/17/2007	1620	--	7	4.3	7.7	240	22.7	127	4.4	7	<0.10	0.8	0.03	0.06	0.07	7	20	0.6	29
07279937	9/17/2007	1320	--	8	10.2	8.9	255	27.0	124	9.2	8	<0.10	0.82	<0.02	0.08	0.07	7	20	1.6	35
07279970	10/9/2007	1500	E 0.45	28	1.3	6.9	170	24.1	47.2	18	19	0.28	3	0.21	0.75	0.85	21	70	6.2	50
07280555	9/24/2007	1130	11	11	8.2	7.0	125	25.3	48	4.9	17	<0.10	0.37	0.04	0.02	0.08	3	<10	5.6	25
07280810	9/12/2007	830	13	14	3.5	7.2	232	23.2	102	8.1	17	0.2	1.29	0.08	0.09	0.2	7	<10	10.6	46
07280810	9/12/2007	835	--	--	--	--	--	--	105	8.2	17	0.2	1.05	0.08	0.09	0.28	7	24	10.4	--
07280851	9/12/2007	1015	E 30	76	3.6	7.2	197	24.0	82.5	7	24	0.25	1.4	0.14	0.21	0.19	7	20	5.8	56
07286006	10/9/2007	930	5.9	4	6.9	7.2	129	23.7	55.4	5.3	<4	<0.10	0.33	<0.02	0.06	0.06	3	10	1.1	16
07286011	10/11/2007	1210	--	3	10.8	8.2	263	21.9	121	11	<4	<0.10	0.81	<0.02	0.06	0.12	7	20	4.3	22
07286012	9/18/2007	1240	E 32	66	7.4	7.8	132	26.2	53.2	17.2	68	<0.10	0.49	0.09	0.05	0.12	5	<10	14.9	94
07286955	9/19/2007	740	93	35	8.7	6.8	65	21.3	21.4	9.9	29	<0.10	0.76	0.11	0.02	0.07	5	10	22.8	50
07287309	9/19/2007	1040	E 59	28	6.9	7.3	202	25.4	83.7	15.7	41	<0.10	0.99	<0.02	0.02	0.13	8	30	37.3	65
07287310	9/11/2007	1045	0.74	5	11.0	7.6	183	25.8	82.2	3.6	7	<0.10	0.45	<0.02	0.03	0.04	3	<10	3.6	26
07288010	9/11/2007	1740	10	5	8.8	7.8	684	27.1	230	64.8	5	0.22	1.24	0.57	0.74	0.73	5	<10	8.5	83
07288010	9/11/2007	1745	--	--	--	--	--	--	231	64.9	4	0.22	1.12	0.56	0.73	0.78	6	24	8	--
07288140	9/11/2007	1545	--	4	1.3	7.4	453	26.7	205	12.7	5	<0.10	0.98	<0.02	0.14	0.28	7	30	9.7	48
07288140	9/11/2007	1550	--	--	--	--	--	--	196	12.4	103	<0.10	1.14	<0.02	0.14	0.28	7	27	9.5	--
07288185	10/9/2007	1150	1.5	43	6.2	8.1	838	24.0	238	77.5	53	0.23	2.57	0.35	0.57	0.69	13	50	37.3	116
07288280	9/24/2007	1520	16	56	7.2	8.0	442	27.3	186	47.2	55	<0.10	1.01	<0.02	0.13	0.31	6	20	31.6	143
07288365	10/1/2007	1400	0.89	107	3.3	7.1	271	24.7	91.7	21.3	22	<0.10	1.6	0.06	0.82	1.05	10	40	18.3	107

Table 3. Summary of surface-water quality analytical results for stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; NTU, nephelometric turbidity units; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; Cl, chloride; N, nitrogen; P, phosphorus; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

USGS station number*	Date (month/day/year)	Time (24-hour)	Discharge, instantaneous (ft ³ /s)	Turbidity (NTU)	Dissolved oxygen (mg/L)	pH (standard units)	Specific conductance (µS/cm)	Water temperature (degrees Celsius)	Alkalinity as CaCO ₃	Chloride (mg/L as Cl)	Total suspended Solids (mg/L)	Ammonia (mg/L as N)	Nitrogen, total Kjeldahl (mg/L as N)	Nitrite plus nitrate (mg/L as N)	Orthophosphate (mg/L as P)	Total phosphorus (mg/L as P)	Total organic carbon (mg/L)	Chemical oxygen demand (mg/L)	Chlorophyll <i>a</i> (µg/L)	Suspended sediment (mg/L)
07288600	10/1/2007	1540	31	66	7.3	7.7	355	25.5	114	42.6	63	2.48	4.34	0.23	0.58	0.76	9	40	56.4	108
07288607	9/18/2007	1730	7.2	26	7.6	8.3	336	28.6	123	42.2	28	<0.10	1.37	0.07	0.30	0.33	8	30	22.8	67
07288609	9/25/2007	1240	54	59	10.4	8.5	408	27.3	133	38.3	60	<0.10	2.04	0.16	0.19	0.33	10	40	63.1	95
07288610	9/25/2007	1120	24	67	8.0	8.2	359	26.3	143	55.7	50	<0.10	0.57	0.04	0.11	0.17	6	10	26.8	107
07288624	10/2/2007	1330	180	25	8.6	8.1	391	26.8	124	37.4	35	0.23	1.92	0.24	0.13	0.26	8	40	105.7	64
07288643	9/18/2007	1445	4.6	10	9.1	8.2	505	27.4	201	14.7	8	<0.10	0.87	<0.02	0.05	0.1	6	<10	10.5	59
07288647	9/18/2007	1600	17	14	9.0	8.2	425	28.7	167	14.8	12	<0.10	0.75	0.03	0.10	0.12	6	10	1.5	61
07288656	10/2/2007	910	19	16	10.3	8.8	351	25.4	124	23.7	22	<0.10	1.25	<0.02	0.11	0.23	8	20	81.2	56
07288720	10/3/2007	1040	205	33	4.6	7.3	302	25.3	115	21.8	37	<0.10	0.88	0.41	0.09	0.15	7	20	21	66
07288792	9/10/2007	950	--	14	4.5	6.9	98	29.0	43.9	2.9	14	<0.10	1.24	0.03	<0.01	0.07	7	30	32	30
07288908	9/26/2007	900	44	32	5.4	7.4	675	25.1	261	48.2	42	<0.10	0.56	0.04	0.04	0.1	5	<10	19.6	122
07288935	10/2/2007	1800	245	27	11.9	8.9	339	27.5	150	17.4	38	<0.10	2.19	0.02	0.13	0.27	8	40	105.9	50
07288938	10/2/2007	1700	261	15	10.2	8.3	321	27.0	122	20.8	17	<0.10	1.54	0.25	0.09	0.14	6	30	50.7	40
0728860950	9/25/2007	950	55	62	11.2	8.5	407	27.5	134	38.2	63	<0.10	2.36	0.14	0.21	0.3	10	40	66.7	99
0728862450	10/2/2007	1040	127	20	5.8	7.8	410	25.7	145	34.6	26	0.29	2.17	0.16	0.16	0.34	8	30	104	65
0728879790	9/19/2007	1330	<1.0	21	5.7	6.9	166	24.5	79.8	7	19	<0.10	1.99	<0.02	0.04	0.06	8	20	22.9	41
325449090451700	10/3/2007	910	207	31	3.2	7.2	302	25.5	136	22	29	0.11	1.23	0.4	0.10	0.18	6	20	14.5	57
325616090461600	10/3/2007	1330	269	38	5.5	7.4	302	26.4	110	22.7	44	<0.10	1.3	0.35	0.07	0.14	7	30	38.9	68
325901090465500	9/10/2007	1220	0.33	9	4.9	7.3	595	27.2	266	5.6	10	<0.10	1.06	<0.02	0.03	0.14	5	20	12.8	88
330236090420100	9/25/2007	1600	121	17	9.3	8.3	259	29.0	95.4	15.4	15	<0.10	0.94	0.24	0.10	0.14	7	30	33.9	39
330730090431300	9/10/2007	1430	--	15	1.6	7.3	287	26.9	112	10.5	14	0.2	2.07	0.03	0.38	0.62	13	50	71.2	51
330730090431300	9/10/2007	1430	--	--	--	--	--	--	113	11.7	10	0.2	2.15	0.03	0.42	0.68	13	46	70	--
331637090432700	10/2/2007	1220	158	25	7.1	8.0	397	25.7	133	33.8	27	0.2	2.39	0.16	0.14	0.31	8	50	163.4	60
332749090103400	10/1/2007	920	20	5	9.6	7.5	84	21.2	36.4	4.1	<4	<0.10	0.36	0.11	0.02	0.04	2	<10	1.1	15

Table 3. Summary of surface-water quality analytical results for stream sites sampled in the Mississippi Alluvial Plain ecoregion, northwestern Mississippi, September–October 2007.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; NTU, nephelometric turbidity units; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; Cl, chloride; N, nitrogen; P, phosphorus; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

USGS station number*	Date (month/day/year)	Time (24-hour)	Discharge, instantaneous (ft ³ /s)	Turbidity (NTU)	Dissolved oxygen (mg/L)	pH (standard units)	Specific conductance (µS/cm)	Water temperature (degrees Celsius)	Alkalinity as CaCO ₃ (mg/L)	Chloride (mg/L as Cl)	Total suspended Solids (mg/L)	Ammonia (mg/L as N)	Nitrogen, total Kjeldahl (mg/L as N)	Nitrite plus nitrate (mg/L as N)	Orthophosphate (mg/L as P)	Total phosphorus (mg/L as P)	Total organic carbon (mg/L)	Chemical oxygen demand (mg/L)	Chlorophyll <i>a</i> (µg/L)	Suspended sediment (mg/L)
33332809054800	9/10/2007	1650	3.1	6	14.7	8.7	465	30.1	197	15.4	6	<0.10	1.55	0.06	0.23	0.33	9	<10	21.7	45
33332809054800	9/10/2007	1650	--	--	--	--	--	--	200	16.6	<4	<0.10	1.5	0.06	0.22	0.32	9	36	19.2	--
333615090061800	10/1/2007	1035	6.4	23	8.7	7.2	108	21.4	47.4	5.6	<4	<0.10	0.4	0.12	0.03	0.09	3	<10	1	28
334747090285000	9/11/2007	1330	2.6	4	14.1	7.9	336	26.5	130	16.5	<4	<0.10	0.9	0.07	0.15	0.17	7	30	1.4	33
335105090415300	9/24/2007	1605	0.02	2	4.5	7.6	515	24.8	198	40.6	<4	<0.10	0.77	0.12	0.49	0.38	8	30	5.2	50
335458090287000	9/24/2007	1400	--	6	0.9	7.3	408	24.4	188	15.4	10	<0.10	1.09	<0.02	0.06	0.3	9	20	56.7	44
335749090273300	9/17/2007	1030	5.5	3	1.6	7.1	346	20.6	167	8.6	<4	<0.10	0.98	0.06	0.14	0.21	8	10	3.6	33
335919090133600	9/24/2007	950	0.21	37	3.9	6.9	342	24.8	145	25	46	0.18	1.17	0.02	0.03	0.16	7	20	71.3	71
340157090071200	9/24/2007	1250	E 0.40	24	4.8	6.8	141	25.5	61.7	9.4	41	<0.10	0.55	<0.02	0.02	0.12	3	<10	31.6	40
340423090210800	10/9/2007	1350	20	30	6.0	7.4	176	25.1	65.6	12.7	25	<0.10	1.77	0.09	0.11	0.24	9	40	66.5	49
341640090055100	9/17/2007	1235	--	59	0.4	8.0	1356	21.0	501	121	93	12.8	19.9	0.23	4.19	4.66	21	110	7.1	179
341701090113300	9/17/2007	1350	--	11	9.5	8.2	368	24.0	125	30.3	6	<0.10	1.06	<0.02	0.10	0.13	9	30	5.5	47
344516090164400	9/17/2007	1730	--	22	4.8	9.0	436	31.7	246	17.6	53	<0.10	2.55	<0.02	0.22	0.47	14	70	161.8	92

* Station numbers in bold are water sample grab duplicates

Table 4. Physical property data recorded at 30-minute intervals for station 07279836 Ark Bayou near Tibbs, Mississippi, September 17–19, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/17/2007	17:00:40	24.8	237	105.4	8.7	8.0
9/17/2007	17:30:40	24.9	237	105.8	8.8	8.0
9/17/2007	18:00:40	24.9	237	106.4	8.8	8.0
9/17/2007	18:30:40	24.8	237	106.1	8.8	8.0
9/17/2007	19:00:40	24.8	237	100.5	8.3	8.0
9/17/2007	19:30:40	24.6	238	93.2	7.8	7.9
9/17/2007	20:00:40	24.5	238	84.5	7.0	7.8
9/17/2007	20:30:40	24.4	239	79.2	6.6	7.7
9/17/2007	21:00:40	24.3	239	75.1	6.3	7.7
9/17/2007	21:30:40	24.2	239	71.2	6.0	7.7
9/17/2007	22:00:40	24.2	239	68.3	5.7	7.7
9/17/2007	22:30:40	24.0	239	64.5	5.4	7.6
9/17/2007	23:00:40	23.9	239	60.6	5.1	7.6
9/17/2007	23:30:40	23.8	239	59.6	5.0	7.6
9/18/2007	0:00:40	23.8	239	55.5	4.7	7.6
9/18/2007	0:30:40	23.6	239	52.2	4.4	7.5
9/18/2007	1:00:40	23.5	240	48.6	4.1	7.5
9/18/2007	1:30:40	23.4	239	47.2	4.0	7.5
9/18/2007	2:00:40	23.3	239	47.0	4.0	7.5
9/18/2007	2:30:40	23.1	239	44.5	3.8	7.5
9/18/2007	3:00:40	23.1	240	42.3	3.6	7.5
9/18/2007	3:30:40	22.9	240	35.8	3.1	7.4
9/18/2007	4:00:40	22.6	240	36.5	3.1	7.4
9/18/2007	4:30:40	22.5	240	33.9	2.9	7.4
9/18/2007	5:00:40	22.4	239	34.7	3.0	7.4
9/18/2007	5:30:40	22.3	239	34.2	3.0	7.4
9/18/2007	6:00:40	22.2	239	37.6	3.3	7.5
9/18/2007	6:30:40	22.2	239	37.5	3.3	7.5
9/18/2007	7:00:40	22.1	239	35.2	3.1	7.4
9/18/2007	7:30:40	22.0	239	35.0	3.1	7.4
9/18/2007	8:00:40	22.0	239	29.8	2.6	7.4
9/18/2007	8:30:40	22.0	239	19.6	1.7	7.4
9/18/2007	9:00:40	22.1	239	32.3	2.8	7.4
9/18/2007	9:30:40	22.2	238	32.3	2.8	7.4
9/18/2007	10:00:40	22.4	239	40.4	3.5	7.4
9/18/2007	10:30:40	22.8	238	43.5	3.8	7.6
9/18/2007	11:00:40	23.0	237	62.5	5.4	7.7
9/18/2007	11:30:40	23.3	236	64.6	5.5	7.8
9/18/2007	12:00:40	23.6	236	78.0	6.6	7.8
9/18/2007	12:30:40	23.9	234	80.9	6.8	7.8
9/18/2007	13:00:40	24.2	233	85.3	7.1	7.8

Table 4. Physical property data recorded at 30-minute intervals for station 07279836 Ark Bayou near Tibbs, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/18/2007	13:30:40	24.6	232	100.0	8.3	7.9
9/18/2007	14:00:40	25.0	232	96.3	8.0	7.8
9/18/2007	14:30:40	25.3	232	121.3	10.0	8.1
9/18/2007	15:00:40	25.3	230	122.5	10.1	8.1
9/18/2007	15:30:40	25.6	230	116.5	9.5	8.1
9/18/2007	16:00:40	25.8	230	110.9	9.0	8.0
9/18/2007	16:30:40	25.9	230	110.8	9.0	8.1
9/18/2007	17:00:40	25.8	230	106.7	8.7	8.0
9/18/2007	17:30:40	25.8	230	108.7	8.8	8.1
9/18/2007	18:00:40	25.8	230	112.1	9.1	8.1
9/18/2007	18:30:40	25.7	230	106.1	8.6	8.1
9/18/2007	19:00:40	25.5	230	102.5	8.4	8.0
9/18/2007	19:30:40	25.3	231	90.4	7.4	7.9
9/18/2007	20:00:40	25.2	231	84.8	7.0	7.8
9/18/2007	20:30:40	25.0	231	79.8	6.6	7.8
9/18/2007	21:00:40	24.9	231	77.1	6.4	7.8
9/18/2007	21:30:40	24.8	231	72.2	6.0	7.7
9/18/2007	22:00:40	24.6	232	65.9	5.5	7.6
9/18/2007	22:30:40	24.4	232	63.1	5.3	7.6
9/18/2007	23:00:40	24.3	232	59.0	4.9	7.6
9/18/2007	23:30:40	24.1	232	54.9	4.6	7.6
9/19/2007	0:00:40	23.9	232	51.4	4.3	7.5
9/19/2007	0:30:40	23.8	232	48.3	4.1	7.5
9/19/2007	1:00:40	23.6	233	45.8	3.9	7.5
9/19/2007	1:30:40	23.5	233	42.6	3.6	7.5
9/19/2007	2:00:40	23.3	233	43.3	3.7	7.5
9/19/2007	2:30:40	23.2	233	43.4	3.7	7.5
9/19/2007	3:00:40	23.1	233	45.1	3.9	7.5
9/19/2007	3:30:40	23.0	233	41.9	3.6	7.5
9/19/2007	4:00:40	22.9	233	39.4	3.4	7.4
9/19/2007	4:30:40	22.7	233	37.8	3.3	7.4
9/19/2007	5:00:40	22.6	233	38.1	3.3	7.4
9/19/2007	5:30:40	22.5	233	38.7	3.4	7.4
9/19/2007	6:00:40	22.4	233	41.9	3.6	7.5
9/19/2007	6:30:40	22.3	233	38.2	3.3	7.4
9/19/2007	7:00:40	22.1	233	32.3	2.8	7.4
9/19/2007	7:30:40	22.1	233	32.3	2.8	7.4
9/19/2007	8:00:40	21.9	233	29.8	2.6	7.4
9/19/2007	8:30:40	21.8	233	31.4	2.8	7.4
9/19/2007	9:00:40	21.9	233	25.1	2.2	7.4
9/19/2007	9:30:40	22.1	234	25.3	2.2	7.4

Table 4. Physical property data recorded at 30-minute intervals for station 07279836 Ark Bayou near Tibbs, Mississippi, September 17–19, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/19/2007	10:00:40	22.4	234	42.6	3.7	7.3
9/19/2007	10:30:40	22.6	234	47.1	4.1	7.4
9/19/2007	11:00:40	22.7	234	51.3	4.4	7.4
9/19/2007	11:30:40	23.0	235	45.8	3.9	7.4
9/19/2007	12:00:40	23.3	234	47.2	4.0	7.5
9/19/2007	12:30:40	23.8	234	64.5	5.4	7.6
9/19/2007	13:00:40	24.0	234	86.2	7.2	7.8
9/19/2007	13:30:40	24.3	233	103.8	8.7	8.0
9/19/2007	14:00:40	24.7	233	123.0	10.2	8.3
9/19/2007	14:30:40	24.9	231	136.9	11.3	8.2
9/19/2007	15:00:40	25.1	231	133.1	11.0	8.3
9/19/2007	15:30:40	25.2	230	151.1	12.4	8.5
9/19/2007	16:00:40	25.4	229	136.8	11.2	8.5

Table 5. Physical property data recorded at 30-minute intervals for station 07279937 David Bayou near Sledge, Mississippi, September 17–19, 2007[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/17/2007	15:31:00	27.4	245	167	13.1	9.0
9/17/2007	16:01:00	27.8	230	182	14.3	9.1
9/17/2007	16:31:00	28.1	225	189	14.8	9.2
9/17/2007	17:01:00	28.2	218	196	15.3	9.2
9/17/2007	17:31:00	28.3	231	199	15.5	9.2
9/17/2007	18:01:00	28.2	223	203	15.8	9.3
9/17/2007	18:31:00	28.1	220	205	16.0	9.3
9/17/2007	19:01:00	28.0	224	207	16.2	9.3
9/17/2007	19:31:00	27.7	228	208	16.4	9.3
9/17/2007	20:01:00	27.4	227	207	16.4	9.3
9/17/2007	20:31:00	27.2	221	204	16.2	9.3
9/17/2007	21:01:00	26.8	230	202	16.1	9.3
9/17/2007	21:31:00	26.6	230	193	15.5	9.3
9/17/2007	22:01:00	26.3	230	186	15.0	9.3
9/17/2007	22:31:00	26.0	233	178	14.5	9.3
9/17/2007	23:01:00	25.7	235	170	13.9	9.3
9/17/2007	23:31:00	25.4	236	162	13.3	9.3
9/18/2007	0:01:00	25.2	238	153	12.6	9.2
9/18/2007	0:31:00	24.9	239	144	11.9	9.2
9/18/2007	1:01:00	24.7	241	135	11.2	9.1
9/18/2007	1:31:00	24.4	242	126	10.5	9.1
9/18/2007	2:01:00	24.2	244	118	9.8	9.0
9/18/2007	2:31:00	24.0	245	110	9.3	9.0
9/18/2007	3:01:00	23.8	247	103	8.7	8.9
9/18/2007	3:31:00	23.7	249	96	8.2	8.9
9/18/2007	4:01:00	23.5	251	91	7.7	8.8
9/18/2007	4:31:00	23.4	252	85	7.3	8.7
9/18/2007	5:01:00	23.2	253	80	6.8	8.6
9/18/2007	5:31:00	23.1	255	75	6.4	8.6
9/18/2007	6:01:00	22.9	257	71	6.1	8.5
9/18/2007	6:31:00	22.8	257	66	5.7	8.4
9/18/2007	7:01:00	22.7	259	62	5.4	8.3
9/18/2007	7:31:00	22.6	262	58	5.0	8.2
9/18/2007	8:01:00	22.5	262	56	4.8	8.1
9/18/2007	8:31:00	22.5	265	54	4.7	8.1
9/18/2007	9:01:00	22.6	266	55	4.8	8.1
9/18/2007	9:31:00	22.8	266	59	5.1	8.1
9/18/2007	10:01:00	23.0	266	64	5.4	8.1
9/18/2007	10:31:00	23.4	266	70	6.0	8.2
9/18/2007	11:01:00	23.7	267	76	6.4	8.2

Table 5. Physical property data recorded at 30-minute intervals for station 07279937 David Bayou near Sledge, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/18/2007	11:31:00	24.1	267	83	6.9	8.3
9/18/2007	12:01:00	24.5	268	90	7.5	8.4
9/18/2007	12:31:00	25.0	268	101	8.3	8.5
9/18/2007	13:01:00	25.5	268	113	9.3	8.6
9/18/2007	13:31:00	26.0	266	127	10.3	8.7
9/18/2007	14:01:00	26.6	266	138	11.1	8.8
9/18/2007	14:31:00	27.0	264	155	12.3	8.9
9/18/2007	15:01:00	27.5	263	171	13.5	8.9
9/18/2007	15:31:00	27.9	260	186	14.5	9.0
9/18/2007	16:01:00	28.1	259	198	15.4	9.1
9/18/2007	16:31:00	28.3	256	205	16.0	9.2
9/18/2007	17:01:00	28.4	253	213	16.5	9.2
9/18/2007	17:31:00	28.5	251	218	16.9	9.3
9/18/2007	18:01:00	28.4	250	222	17.3	9.3
9/18/2007	18:31:00	28.2	249	220	17.1	9.3
9/18/2007	19:01:00	28.1	247	213	16.6	9.3
9/18/2007	19:31:00	27.8	245	211	16.6	9.3
9/18/2007	20:01:00	27.6	244	208	16.4	9.3
9/18/2007	20:31:00	27.3	242	206	16.3	9.3
9/18/2007	21:01:00	27.0	242	204	16.2	9.3
9/18/2007	21:31:00	26.7	242	200	16.0	9.3
9/18/2007	22:01:00	26.4	241	196	15.8	9.3
9/18/2007	22:31:00	26.1	241	191	15.4	9.3
9/18/2007	23:01:00	25.8	242	185	15.1	9.3
9/18/2007	23:31:00	25.5	242	179	14.7	9.2
9/19/2007	0:01:00	25.2	243	172	14.2	9.2
9/19/2007	0:31:00	24.9	244	164	13.6	9.2
9/19/2007	1:01:00	24.6	245	156	13.0	9.1
9/19/2007	1:31:00	24.4	246	147	12.3	9.1
9/19/2007	2:01:00	24.1	247	139	11.6	9.0
9/19/2007	2:31:00	23.9	250	130	10.9	8.9
9/19/2007	3:01:00	23.6	252	121	10.2	8.9
9/19/2007	3:31:00	23.4	253	113	9.6	8.8
9/19/2007	4:01:00	23.2	255	106	9.0	8.8
9/19/2007	4:31:00	23.0	256	99	8.5	8.7
9/19/2007	5:01:00	22.8	259	93	8.0	8.6
9/19/2007	5:31:00	22.6	259	87	7.5	8.6
9/19/2007	6:01:00	22.4	262	82	7.1	8.5
9/19/2007	6:31:00	22.2	264	76	6.6	8.4
9/19/2007	7:01:00	22.0	266	71	6.2	8.3

Table 5. Physical property data recorded at 30-minute intervals for station 07279937 David Bayou near Sledge, Mississippi, September 17–19, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/19/2007	7:31:00	21.8	268	66	5.8	8.2
9/19/2007	8:01:00	21.7	269	63	5.5	8.2
9/19/2007	8:31:00	21.7	271	60	5.2	8.1
9/19/2007	9:01:00	21.8	271	57	5.0	8.1
9/19/2007	9:31:00	22.0	273	58	5.1	8.1
9/19/2007	10:01:00	22.3	274	60	5.2	8.1
9/19/2007	10:31:00	22.7	276	63	5.4	8.1
9/19/2007	11:01:00	23.2	276	67	5.7	8.2
9/19/2007	11:31:00	23.8	276	73	6.2	8.3
9/19/2007	12:01:00	24.2	277	78	6.6	8.3
9/19/2007	12:31:00	24.8	277	87	7.2	8.4
9/19/2007	13:01:00	25.1	278	97	8.0	8.5
9/19/2007	13:31:00	25.8	278	109	8.9	8.6
9/19/2007	14:01:00	26.5	277	124	9.9	8.7
9/19/2007	14:31:00	27.1	276	137	10.8	8.8
9/19/2007	15:01:00	27.6	275	149	11.7	8.8
9/19/2007	15:31:00	27.9	274	159	12.4	8.9

Table 6. Physical property data recorded at 30-minute intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 2007.[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/4/2007	12:31:00	26.2	204	92	7.4	7.0
10/4/2007	13:01:00	26.5	203	97.1	7.8	7.1
10/4/2007	13:31:00	26.8	203	99.1	7.9	7.1
10/4/2007	14:01:00	27.2	203	113.7	9.0	7.2
10/4/2007	14:31:00	27.4	202	121.4	9.6	7.2
10/4/2007	15:01:00	27.8	202	121.8	9.6	7.2
10/4/2007	15:31:00	28.1	202	126.7	9.9	7.3
10/4/2007	16:01:00	28.1	203	126.5	9.9	7.3
10/4/2007	16:31:00	28.4	202	132.8	10.3	7.4
10/4/2007	17:01:00	28.3	202	130.1	10.1	7.4
10/4/2007	17:31:00	28.2	201	127.9	10.0	7.3
10/4/2007	18:01:00	28.1	201	129	10.1	7.4
10/4/2007	18:31:00	27.9	201	129.8	10.2	7.3
10/4/2007	19:01:00	27.7	201	124.2	9.8	7.3
10/4/2007	19:31:00	27.5	202	115.4	9.1	7.2
10/4/2007	20:01:00	27.3	202	112.2	8.9	7.2
10/4/2007	20:31:00	27.0	203	104.9	8.3	7.2
10/4/2007	21:01:00	26.8	203	96.3	7.7	7.1
10/4/2007	21:31:00	26.6	203	91.2	7.3	7.1
10/4/2007	22:01:00	26.4	203	88.6	7.1	7.1
10/4/2007	22:31:00	26.2	203	85.1	6.9	7.0
10/4/2007	23:01:00	26.1	204	78	6.3	7.0
10/4/2007	23:31:00	25.9	204	73.4	6.0	7.0
10/5/2007	0:01:00	25.7	204	71.5	5.8	7.0
10/5/2007	0:31:00	25.5	204	64.4	5.3	6.9
10/5/2007	1:01:00	25.4	205	61.1	5.0	6.9
10/5/2007	1:31:00	25.2	205	55.8	4.6	6.9
10/5/2007	2:01:00	25.1	205	52.1	4.3	6.9
10/5/2007	2:31:00	25.0	206	50	4.1	6.9
10/5/2007	3:01:00	24.8	206	47	3.9	6.9
10/5/2007	3:31:00	24.7	206	44.7	3.7	6.8
10/5/2007	4:01:00	24.5	206	40.8	3.4	6.8
10/5/2007	4:31:00	24.4	206	39.9	3.3	6.8
10/5/2007	5:01:00	24.3	206	37.6	3.1	6.8
10/5/2007	5:31:00	24.2	206	35	2.9	6.8
10/5/2007	6:01:00	24.1	207	32.7	2.8	6.8
10/5/2007	6:31:00	24.0	207	32.8	2.8	6.8
10/5/2007	7:01:00	23.9	207	29.4	2.5	6.8
10/5/2007	7:31:00	23.8	208	27.5	2.3	6.8
10/5/2007	8:01:00	23.8	207	28.1	2.4	6.8
10/5/2007	8:31:00	24.0	207	24.5	2.1	6.8

18 Water-Quality Data for Selected Streams in the Mississippi Alluvial Plain Ecoregion, September – October 2007
Table 6. Physical property data recorded at 30-minute intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 2007.—Continued

[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/5/2007	9:01:00	24.2	207	40.6	3.4	6.8
10/5/2007	9:31:00	24.5	207	50.9	4.2	6.8
10/5/2007	10:01:00	25.0	206	57.7	4.8	6.8
10/5/2007	10:31:00	25.7	206	68.3	5.6	6.8
10/5/2007	11:01:00	26.2	205	83.9	6.8	6.9
10/5/2007	11:31:00	26.6	205	92.2	7.4	6.9
10/5/2007	12:01:00	27.1	205	98.2	7.8	7.0
10/5/2007	12:31:00	27.9	204	110.1	8.6	7.0
10/5/2007	13:01:00	28.6	203	126.1	9.8	7.1
10/5/2007	13:31:00	29.4	202	137.6	10.5	7.2
10/5/2007	14:01:00	30.0	202	143.9	10.9	7.2
10/5/2007	14:31:00	30.3	201	149	11.2	7.3
10/5/2007	15:01:00	30.4	200	153.3	11.5	7.4
10/5/2007	15:31:00	30.5	200	154.8	11.6	7.4
10/5/2007	16:01:00	30.6	199	154.5	11.6	7.5
10/5/2007	16:31:00	30.3	199	153.8	11.6	7.6
10/5/2007	17:01:00	30.1	199	150.2	11.3	7.5
10/5/2007	17:31:00	29.8	199	148.3	11.2	7.5
10/5/2007	18:01:00	29.5	200	140.7	10.7	7.4
10/5/2007	18:31:00	29.1	201	133.6	10.2	7.3
10/5/2007	19:01:00	28.8	201	123.8	9.6	7.2
10/5/2007	19:31:00	28.5	203	115.3	8.9	7.2
10/5/2007	20:01:00	28.1	202	109.8	8.6	7.2
10/5/2007	20:31:00	27.9	202	109.7	8.6	7.2
10/5/2007	21:01:00	27.6	203	99.9	7.9	7.1
10/5/2007	21:31:00	27.4	203	98.2	7.8	7.1
10/5/2007	22:01:00	27.2	203	91.3	7.2	7.0
10/5/2007	22:31:00	27.0	204	85.3	6.8	7.0
10/5/2007	23:01:00	26.8	204	78.5	6.3	7.0
10/5/2007	23:31:00	26.6	204	68	5.4	6.9
10/6/2007	0:01:00	26.3	204	63	5.1	6.9
10/6/2007	0:31:00	26.1	205	60.3	4.9	6.9
10/6/2007	1:01:00	26.0	205	56.4	4.6	6.9
10/6/2007	1:31:00	25.8	205	52.1	4.2	6.8
10/6/2007	2:01:00	25.7	205	46.8	3.8	6.8
10/6/2007	2:31:00	25.5	205	43.7	3.6	6.8
10/6/2007	3:01:00	25.3	205	37	3.0	6.8
10/6/2007	3:31:00	25.1	205	33.6	2.8	6.8
10/6/2007	4:01:00	25.0	205	32.3	2.7	6.8
10/6/2007	4:31:00	24.8	206	29.3	2.4	6.8
10/6/2007	5:01:00	24.7	206	29	2.4	6.8

Table 6. Physical property data recorded at 30-minute intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/6/2007	5:31:00	24.6	206	27.1	2.2	6.7
10/6/2007	6:01:00	24.5	206	26.7	2.2	6.8
10/6/2007	6:31:00	24.4	207	24.2	2.0	6.7
10/6/2007	7:01:00	24.3	207	22.7	1.9	6.7
10/6/2007	7:31:00	24.1	207	19.4	1.6	6.7
10/6/2007	8:01:00	24.1	207	11.8	1.0	6.7
10/6/2007	8:31:00	24.2	207	24	2.0	6.7
10/6/2007	9:01:00	24.3	207	27.4	2.3	6.7
10/6/2007	9:31:00	24.8	206	39.5	3.3	6.7
10/6/2007	10:01:00	25.3	207	54.8	4.5	6.8
10/6/2007	10:31:00	25.9	206	60.9	5.0	6.8
10/6/2007	11:01:00	26.7	204	69	5.5	6.8
10/6/2007	11:31:00	27.6	205	81.6	6.4	6.8
10/6/2007	12:01:00	28.0	203	94.5	7.4	6.9
10/6/2007	12:31:00	29.0	203	116.3	8.8	6.9
10/6/2007	13:01:00	29.6	203	124.6	9.5	7.0
10/6/2007	13:31:00	30.0	202	131.6	9.9	7.0
10/6/2007	14:01:00	30.1	202	134.6	10.2	7.1
10/6/2007	14:31:00	30.2	201	143.8	10.8	7.2
10/6/2007	15:01:00	30.5	200	145.4	10.9	7.3
10/6/2007	15:31:00	30.8	200	146.5	10.9	7.3
10/6/2007	16:01:00	30.8	199	151.3	11.3	7.3
10/6/2007	16:31:00	30.6	199	149	11.2	7.3
10/6/2007	17:01:00	30.3	198	147.8	11.1	7.3
10/6/2007	17:31:00	30.1	198	145	10.9	7.3
10/6/2007	18:01:00	29.8	199	141.4	10.7	7.3
10/6/2007	18:31:00	29.5	199	135.8	10.3	7.3
10/6/2007	19:01:00	29.2	199	130.7	10.0	7.2
10/6/2007	19:31:00	28.9	199	122.9	9.5	7.2
10/6/2007	20:01:00	28.6	197	116.5	9.0	7.1
10/6/2007	20:31:00	28.3	200	106.9	8.3	7.1
10/6/2007	21:01:00	28.0	195	97.3	7.6	7.0
10/6/2007	21:31:00	27.7	200	89.2	7.0	7.0
10/6/2007	22:01:00	27.4	202	80.4	6.3	6.9
10/6/2007	22:31:00	27.2	199	76.9	6.1	6.9
10/6/2007	23:01:00	27.0	204	70	5.6	6.9
10/6/2007	23:31:00	26.7	200	61.5	4.9	6.8
10/7/2007	0:01:00	26.5	205	58.2	4.7	6.8
10/7/2007	0:31:00	26.2	202	54	4.4	6.8
10/7/2007	1:01:00	26.1	204	45.6	3.7	6.8
10/7/2007	1:31:00	25.8	205	42.9	3.5	6.8

Table 6. Physical property data recorded at 30-minute intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conduc- tance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/7/2007	2:01:00	25.6	205	39.6	3.2	6.8
10/7/2007	2:31:00	25.4	205	34.5	2.8	6.7
10/7/2007	3:01:00	25.2	206	30.7	2.5	6.7
10/7/2007	3:31:00	25.0	206	28.3	2.3	6.7
10/7/2007	4:01:00	24.8	206	27.4	2.3	6.7
10/7/2007	4:31:00	24.7	204	25.1	2.1	6.7
10/7/2007	5:01:00	24.5	202	24.6	2.0	6.7
10/7/2007	5:31:00	24.4	204	23.5	2.0	6.7
10/7/2007	6:01:00	24.2	204	19.4	1.6	6.7
10/7/2007	6:31:00	24.0	205	17.3	1.4	6.7
10/7/2007	7:01:00	23.9	205	19.1	1.6	6.7
10/7/2007	7:31:00	23.8	207	18	1.5	6.7
10/7/2007	8:01:00	23.8	210	18.4	1.6	6.7
10/7/2007	8:31:00	23.9	207	22	1.9	6.7
10/7/2007	9:01:00	24.2	207	27.8	2.3	6.7
10/7/2007	9:31:00	24.6	206	41.1	3.4	6.7
10/7/2007	10:01:00	25.2	207	52.5	4.3	6.7
10/7/2007	10:31:00	25.8	204	60.1	4.9	6.8
10/7/2007	11:01:00	26.6	205	74.7	6.0	6.8
10/7/2007	11:31:00	27.8	204	87	6.8	6.8
10/7/2007	12:01:00	28.3	204	99.8	7.8	6.9
10/7/2007	12:31:00	28.8	202	119.1	9.2	7.0
10/7/2007	13:01:00	29.6	202	130.7	9.9	7.0
10/7/2007	13:31:00	30.0	202	136.8	10.3	7.1
10/7/2007	14:01:00	30.1	201	141.9	10.7	7.1
10/7/2007	14:31:00	30.7	200	151.2	11.3	7.3
10/7/2007	15:01:00	30.6	199	150.5	11.2	7.3
10/7/2007	15:31:00	31.1	199	155.4	11.5	7.4
10/7/2007	16:01:00	30.7	197	156.9	11.7	7.3
10/7/2007	16:31:00	30.7	194	157.7	11.8	7.5
10/7/2007	17:01:00	30.5	189	157.7	11.8	7.4
10/7/2007	17:31:00	30.1	197	153.7	11.6	7.4
10/7/2007	18:01:00	29.8	198	150.7	11.4	7.4
10/7/2007	18:31:00	29.5	198	144.8	11.0	7.3
10/7/2007	19:01:00	29.2	198	140.2	10.7	7.3
10/7/2007	19:31:00	28.9	198	131	10.1	7.2
10/7/2007	20:01:00	28.5	199	123.2	9.6	7.0
10/7/2007	20:31:00	28.2	199	115.2	9.0	7.1
10/7/2007	21:01:00	27.9	200	104.4	8.2	7.0
10/7/2007	21:31:00	27.6	200	96.3	7.6	7.0
10/7/2007	22:01:00	27.3	201	87.8	7.0	7.0

Table 6. Physical property data recorded at 30-minute intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/7/2007	22:31:00	27.1	201	80.6	6.4	6.9
10/7/2007	23:01:00	26.8	201	74.5	6.0	6.9
10/7/2007	23:31:00	26.6	202	70.2	5.6	6.9
10/8/2007	0:01:00	26.3	203	64.7	5.2	6.9
10/8/2007	0:31:00	26.1	203	56.4	4.6	6.8
10/8/2007	1:01:00	25.9	204	52	4.2	6.8
10/8/2007	1:31:00	25.7	203	48.2	3.9	6.8
10/8/2007	2:01:00	25.6	204	45.1	3.7	6.8
10/8/2007	2:31:00	25.4	204	40.7	3.3	6.8
10/8/2007	3:01:00	25.2	205	38.1	3.1	6.7
10/8/2007	3:31:00	25.0	203	33.8	2.8	6.7
10/8/2007	4:01:00	24.8	204	26.8	2.2	6.7
10/8/2007	4:31:00	24.7	205	31.2	2.6	6.7
10/8/2007	5:01:00	24.5	204	28.4	2.4	6.7
10/8/2007	5:31:00	24.4	204	25.8	2.2	6.7
10/8/2007	6:01:00	24.2	206	24	2.0	6.7
10/8/2007	6:31:00	24.1	206	21.7	1.8	6.7
10/8/2007	7:01:00	24.0	206	20.8	1.8	6.7
10/8/2007	7:31:00	23.9	206	13.9	1.2	6.7
10/8/2007	8:01:00	23.9	203	18	1.5	6.7
10/8/2007	8:31:00	24.1	204	26.4	2.2	6.7
10/8/2007	9:01:00	24.4	204	31.9	2.7	6.7
10/8/2007	9:31:00	25.0	205	46.5	3.8	6.7
10/8/2007	10:01:00	25.8	206	62.5	5.1	6.7
10/8/2007	10:31:00	26.5	205	78.2	6.3	6.8
10/8/2007	11:01:00	27.3	204	89.6	7.1	6.8
10/8/2007	11:31:00	28.5	202	108.4	8.4	6.9
10/8/2007	12:01:00	29.0	202	105.8	8.1	6.9
10/8/2007	12:31:00	29.9	198	136.1	10.2	7.0
10/8/2007	13:01:00	30.4	198	143.6	10.8	7.1
10/8/2007	13:31:00	31.0	199	154.9	11.5	7.2
10/8/2007	14:01:00	30.8	194	145.2	10.8	7.2
10/8/2007	14:31:00	31.1	195	152.5	11.3	7.3
10/8/2007	15:01:00	31.4	198	159.3	11.8	7.3
10/8/2007	15:31:00	31.1	195	158.8	11.8	7.4
10/8/2007	16:01:00	31.1	191	162.8	12.1	7.4
10/8/2007	16:31:00	30.9	186	162.7	12.1	7.5
10/8/2007	17:01:00	30.4	196	161	12.1	7.4
10/8/2007	17:31:00	29.8	197	155.3	11.8	7.3
10/8/2007	18:01:00	29.0	196	145.7	11.2	7.3
10/8/2007	18:31:00	28.3	190	128	10.0	7.3

Table 6. Physical property data recorded at 30-minute intervals for station 07279970 Bobo Bayou at Bobo, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conduc- tance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/8/2007	19:01:00	27.9	186	113.5	8.9	7.3
10/8/2007	19:31:00	27.2	172	102.5	8.1	7.3
10/8/2007	20:01:00	24.7	150	91.6	7.6	7.0
10/8/2007	20:31:00	23.9	141	76	6.4	6.8
10/8/2007	21:01:00	23.9	145	63.4	5.3	6.7
10/8/2007	21:31:00	23.7	159	57.1	4.8	6.7
10/8/2007	22:01:00	23.5	164	46.5	4.0	6.6
10/8/2007	22:31:00	23.4	171	40.7	3.5	6.6
10/8/2007	23:01:00	23.4	175	31.3	2.7	6.6
10/8/2007	23:31:00	23.3	177	28.3	2.4	6.6
10/9/2007	0:01:00	23.3	177	21.7	1.9	6.6
10/9/2007	0:31:00	23.4	172	21.7	1.8	6.6
10/9/2007	1:01:00	23.5	165	18.6	1.6	6.6
10/9/2007	1:31:00	23.4	187	14.7	1.2	6.8

Table 7. Physical property data recorded at 30-minute intervals for station 07280555 Tillatoba Creek west of Charleston, Mississippi, September 24–27, 2007.[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	Turbidity (FNU)
9/24/2007	11:30:40	25.4	121	103.1	8.4	6
9/24/2007	12:00:40	25.8	121	106	8.6	3
9/24/2007	12:30:40	26.2	120	112.2	9.1	6
9/24/2007	13:00:40	26.6	120	112.9	9.1	10
9/24/2007	13:30:40	27.0	119	118.6	9.4	4
9/24/2007	14:00:40	26.8	120	116.7	9.3	8
9/24/2007	14:30:40	27.5	118	124.4	9.8	9
9/24/2007	15:00:40	28.0	118	132	10.3	5
9/24/2007	15:30:40	27.9	118	125.3	9.8	6
9/24/2007	16:00:40	28.4	117	132.9	10.3	7
9/24/2007	16:30:40	28.4	116	130	10.1	8
9/24/2007	17:00:40	28.7	114	130.7	10.1	7
9/24/2007	17:30:40	28.8	113	131.7	10.2	4
9/24/2007	18:00:40	28.8	113	131	10.1	4
9/24/2007	18:30:40	28.8	113	127.2	9.8	4
9/24/2007	19:00:40	28.9	112	124.6	9.6	5
9/24/2007	19:30:40	28.8	112	119.8	9.2	4
9/24/2007	20:00:40	28.7	112	115.8	8.9	4
9/24/2007	20:30:40	28.6	111	111.5	8.6	5
9/24/2007	21:00:40	28.5	111	107	8.3	4
9/24/2007	21:30:40	28.4	112	103.2	8.0	3
9/24/2007	22:00:40	28.3	112	99.7	7.8	4
9/24/2007	22:30:40	28.1	113	95.7	7.5	3
9/24/2007	23:00:40	28.0	114	91.9	7.2	4
9/24/2007	23:30:40	27.7	115	88.4	7.0	7
9/25/2007	0:00:40	27.5	116	85.3	6.7	8
9/25/2007	0:30:40	27.3	117	82.8	6.6	6
9/25/2007	1:00:40	27.1	117	80.9	6.4	8
9/25/2007	1:30:40	26.8	118	79.3	6.3	9
9/25/2007	2:00:40	26.7	119	77.3	6.2	7
9/25/2007	2:30:40	26.4	120	76.7	6.2	9
9/25/2007	3:00:40	26.2	120	75.1	6.1	9
9/25/2007	3:30:40	25.9	121	75.8	6.2	14
9/25/2007	4:00:40	25.8	122	74.9	6.1	10
9/25/2007	4:30:40	25.5	122	75.5	6.2	13
9/25/2007	5:00:40	25.3	123	74.9	6.2	14
9/25/2007	5:30:40	25.2	123	75.1	6.2	12
9/25/2007	6:00:40	25.1	123	74.6	6.2	13
9/25/2007	6:30:40	24.9	123	74.4	6.2	13
9/25/2007	7:00:40	24.8	123	74.8	6.2	12
9/25/2007	7:30:40	24.6	124	75	6.2	16

Table 7. Physical property data recorded at 30-minute intervals for station 07280555 Tillatoba Creek west of Charleston, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	Turbidity (FNU)
9/25/2007	8:00:40	24.6	124	76	6.3	15
9/25/2007	8:30:40	24.6	124	77.5	6.4	14
9/25/2007	9:00:40	24.8	124	80.4	6.7	15
9/25/2007	9:30:40	25.1	124	84.7	7.0	14
9/25/2007	10:00:40	25.3	124	88.4	7.3	15
9/25/2007	10:30:40	25.6	124	92	7.5	13
9/25/2007	11:00:40	25.8	123	95.6	7.8	16
9/25/2007	11:30:40	26.1	123	101.2	8.2	18
9/25/2007	12:00:40	26.8	123	105.7	8.5	13
9/25/2007	12:30:40	26.9	123	106.7	8.5	15
9/25/2007	13:00:40	27.3	122	113	8.9	17
9/25/2007	13:30:40	27.6	122	118	9.3	12
9/25/2007	14:00:40	27.8	121	118.9	9.3	12
9/25/2007	14:30:40	27.7	120	118.4	9.3	14
9/25/2007	15:00:40	27.5	119	117.2	9.2	16
9/25/2007	15:30:40	27.6	118	119.5	9.4	14
9/25/2007	16:00:40	27.9	117	123.9	9.7	14
9/25/2007	16:30:40	28.0	117	125.3	9.8	15
9/25/2007	17:00:40	28.1	116	124.7	9.7	12
9/25/2007	17:30:40	28.3	116	122.2	9.5	12
9/25/2007	18:00:40	28.4	115	119.6	9.3	12
9/25/2007	18:30:40	28.4	115	116.6	9.1	12
9/25/2007	19:00:40	28.3	115	111.4	8.7	13
9/25/2007	19:30:40	28.2	114	106.3	8.3	17
9/25/2007	20:00:40	28.1	115	102.3	8.0	20
9/25/2007	20:30:40	27.9	115	97.2	7.6	19
9/25/2007	21:00:40	27.8	116	95.3	7.5	21
9/25/2007	21:30:40	27.7	116	91.7	7.2	21
9/25/2007	22:00:40	27.4	117	89.6	7.1	20
9/25/2007	22:30:40	27.3	118	87.4	6.9	20
9/25/2007	23:00:40	27.0	118	85.8	6.8	20
9/25/2007	23:30:40	26.8	119	84.4	6.8	16
9/26/2007	0:00:40	26.4	119	83.8	6.7	14
9/26/2007	0:30:40	26.2	119	81.9	6.6	16
9/26/2007	1:00:40	26.0	120	79.5	6.4	14
9/26/2007	1:30:40	25.9	121	79.1	6.4	16
9/26/2007	2:00:40	25.7	122	77.8	6.3	13
9/26/2007	2:30:40	25.6	123	77.3	6.3	15
9/26/2007	3:00:40	25.5	123	75.6	6.2	14
9/26/2007	3:30:40	25.2	124	76.2	6.3	14
9/26/2007	4:00:40	25.1	124	76.5	6.3	14

Table 7. Physical property data recorded at 30-minute intervals for station 07280555 Tillatoba Creek west of Charleston, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	Turbidity (FNU)
9/26/2007	4:30:40	25.1	124	74.5	6.2	20
9/26/2007	5:00:40	24.9	124	75.5	6.2	16
9/26/2007	5:30:40	24.8	124	75	6.2	14
9/26/2007	6:00:40	24.6	124	77.2	6.4	18
9/26/2007	6:30:40	24.6	124	75.1	6.3	17
9/26/2007	7:00:40	24.4	123	76.6	6.4	17
9/26/2007	7:30:40	24.4	123	76.4	6.4	19
9/26/2007	8:00:40	24.3	123	77.2	6.5	19
9/26/2007	8:30:40	24.3	123	75.5	6.3	20
9/26/2007	9:00:40	24.3	122	77.9	6.5	18
9/26/2007	9:30:40	24.5	122	81.9	6.8	18
9/26/2007	10:00:40	24.7	121	85.5	7.1	22
9/26/2007	10:30:40	24.9	121	90.1	7.4	19
9/26/2007	11:00:40	25.3	120	95	7.8	19
9/26/2007	11:30:40	25.4	120	96.9	8.0	24
9/26/2007	12:00:40	25.3	120	98	8.0	24
9/26/2007	12:30:40	25.2	119	99.8	8.2	25
9/26/2007	13:00:40	25.2	118	98.6	8.1	21
9/26/2007	13:30:40	25.1	117	101.7	8.4	21
9/26/2007	14:00:40	25.3	117	99.2	8.2	20
9/26/2007	14:30:40	25.6	118	109.9	9.0	18
9/26/2007	15:00:40	26.0	118	114.7	9.3	19
9/26/2007	15:30:40	26.2	118	117.6	9.5	19
9/26/2007	16:00:40	26.5	118	118.7	9.6	18
9/26/2007	16:30:40	26.5	117	120	9.7	21
9/26/2007	17:00:40	26.8	117	121.6	9.7	18
9/26/2007	17:30:40	27.0	116	122.9	9.8	20
9/26/2007	18:00:40	27.1	115	122.7	9.8	24
9/26/2007	18:30:40	26.8	116	118.1	9.4	27
9/26/2007	19:00:40	26.7	116	116.6	9.3	24
9/26/2007	19:30:40	26.6	116	114.7	9.2	24
9/26/2007	20:00:40	26.5	116	111.3	8.9	21
9/26/2007	20:30:40	26.4	117	108.3	8.7	20
9/26/2007	21:00:40	26.4	117	105.4	8.5	21
9/26/2007	21:30:40	26.3	118	102.4	8.3	19

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/3/2007	16:00:40	28.3	108	127.9	9.9	8.7
10/3/2007	16:30:40	27.7	105	124.4	9.8	8.7
10/3/2007	17:00:40	27.2	102	120.4	9.6	8.6
10/3/2007	17:30:40	26.6	105	116.5	9.3	8.6
10/3/2007	18:00:40	26.3	104	111.9	9.0	8.5
10/3/2007	18:30:40	26.0	103	107.5	8.7	8.5
10/3/2007	19:00:40	25.9	103	102.4	8.3	8.4
10/3/2007	19:30:40	25.9	103	99.1	8.1	8.4
10/3/2007	20:00:40	25.8	103	96.1	7.8	8.3
10/3/2007	20:30:40	25.8	104	93.9	7.6	8.3
10/3/2007	21:00:40	25.8	105	91.8	7.5	8.2
10/3/2007	21:30:40	25.7	106	90.5	7.4	8.2
10/3/2007	22:00:40	25.6	107	89.7	7.3	8.2
10/3/2007	22:30:40	25.4	108	88.9	7.3	8.2
10/3/2007	23:00:40	25.4	110	88.1	7.2	8.2
10/3/2007	23:30:40	25.3	111	87.9	7.2	8.2
10/4/2007	0:00:40	25.2	112	87.4	7.2	8.1
10/4/2007	0:30:40	25.1	114	87.3	7.2	8.1
10/4/2007	1:00:40	25.0	115	87	7.2	8.1
10/4/2007	1:30:40	24.9	116	86.4	7.2	8.1
10/4/2007	2:00:40	24.8	117	86.6	7.2	8.1
10/4/2007	2:30:40	24.6	119	86.3	7.2	8.0
10/4/2007	3:00:40	24.5	119	85.6	7.1	8.0
10/4/2007	3:30:40	24.3	120	85.6	7.2	8.0
10/4/2007	4:00:40	24.1	122	85.3	7.2	8.0
10/4/2007	4:30:40	24.0	123	85.2	7.2	7.9
10/4/2007	5:00:40	23.8	124	85.1	7.2	7.9
10/4/2007	5:30:40	23.7	124	85.1	7.2	7.9
10/4/2007	6:00:40	23.5	125	85.1	7.2	7.9
10/4/2007	6:30:40	23.4	125	85.1	7.2	7.8
10/4/2007	7:00:40	23.3	126	85.3	7.3	7.8
10/4/2007	7:30:40	23.2	126	85.5	7.3	7.8
10/4/2007	8:00:40	23.1	126	85.7	7.3	7.8
10/4/2007	8:30:40	23.1	126	86.3	7.4	7.8
10/4/2007	9:00:40	23.1	126	87.6	7.5	7.8
10/4/2007	9:30:40	23.2	126	89.7	7.7	7.8
10/4/2007	10:00:40	23.3	126	93	7.9	7.9
10/4/2007	10:30:40	23.5	126	95.9	8.1	7.9
10/4/2007	11:00:40	23.8	126	101	8.5	8.0
10/4/2007	11:30:40	24.2	125	104.8	8.8	8.1
10/4/2007	12:00:40	24.8	125	109.1	9.1	8.2

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/4/2007	12:30:40	25.2	125	114	9.4	8.3
10/4/2007	13:00:40	25.7	124	117.8	9.6	8.4
10/4/2007	13:30:40	26.4	124	122.3	9.8	8.5
10/4/2007	14:00:40	26.8	124	123.5	9.9	8.6
10/4/2007	14:30:40	27.4	123	125.5	9.9	8.6
10/4/2007	15:00:40	27.7	123	125.8	9.9	8.6
10/4/2007	15:30:40	28.1	122	127.4	10.0	8.7
10/4/2007	16:00:40	28.3	121	127.3	9.9	8.7
10/4/2007	16:30:40	28.2	121	124.3	9.7	8.6
10/4/2007	17:00:40	28.2	120	122	9.5	8.6
10/4/2007	17:30:40	27.9	119	117.2	9.2	8.6
10/4/2007	18:00:40	27.7	118	113.8	8.9	8.6
10/4/2007	18:30:40	27.5	118	109.7	8.7	8.5
10/4/2007	19:00:40	27.2	117	105.5	8.4	8.5
10/4/2007	19:30:40	27.0	117	101.9	8.1	8.4
10/4/2007	20:00:40	26.8	117	98.4	7.9	8.3
10/4/2007	20:30:40	26.7	116	95.5	7.6	8.3
10/4/2007	21:00:40	26.5	116	93.2	7.5	8.2
10/4/2007	21:30:40	26.4	116	91.7	7.4	8.2
10/4/2007	22:00:40	26.3	116	90.4	7.3	8.2
10/4/2007	22:30:40	26.2	116	89.6	7.2	8.2
10/4/2007	23:00:40	26.1	116	89	7.2	8.2
10/4/2007	23:30:40	26.0	116	88	7.1	8.2
10/5/2007	0:00:40	26.0	117	87.3	7.1	8.2
10/5/2007	0:30:40	25.8	117	86.8	7.1	8.1
10/5/2007	1:00:40	25.8	118	86.4	7.0	8.1
10/5/2007	1:30:40	25.6	118	85.9	7.0	8.1
10/5/2007	2:00:40	25.5	119	85.2	7.0	8.0
10/5/2007	2:30:40	25.4	120	84.7	7.0	8.0
10/5/2007	3:00:40	25.3	120	84.4	6.9	8.0
10/5/2007	3:30:40	25.1	121	84.5	7.0	8.0
10/5/2007	4:00:40	25.0	122	83.8	6.9	7.9
10/5/2007	4:30:40	24.9	123	84.4	7.0	7.9
10/5/2007	5:00:40	24.8	124	84.3	7.0	7.9
10/5/2007	5:30:40	24.6	125	83.7	7.0	7.9
10/5/2007	6:00:40	24.5	125	83.8	7.0	7.9
10/5/2007	6:30:40	24.4	125	83.9	7.0	7.8
10/5/2007	7:00:40	24.3	125	84.2	7.0	7.8
10/5/2007	7:30:40	24.2	126	84.3	7.1	7.8
10/5/2007	8:00:40	24.1	126	84.4	7.1	7.8
10/5/2007	8:30:40	24.0	126	85.4	7.2	7.8

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/5/2007	9:00:40	24.1	126	87.7	7.4	7.8
10/5/2007	9:30:40	24.1	126	90	7.6	7.8
10/5/2007	10:00:40	24.2	126	93	7.8	7.9
10/5/2007	10:30:40	24.4	126	97.2	8.1	8.0
10/5/2007	11:00:40	24.7	126	101.7	8.4	8.0
10/5/2007	11:30:40	25.2	126	106.4	8.8	8.1
10/5/2007	12:00:40	25.7	125	111.1	9.1	8.2
10/5/2007	12:30:40	26.3	125	115.6	9.3	8.3
10/5/2007	13:00:40	27.2	125	118.2	9.4	8.4
10/5/2007	13:30:40	27.9	125	121.5	9.5	8.5
10/5/2007	14:00:40	28.4	125	124.6	9.7	8.5
10/5/2007	14:30:40	28.8	124	128.6	9.9	8.6
10/5/2007	15:00:40	29.1	124	129	9.9	8.6
10/5/2007	15:30:40	29.3	123	129.2	9.9	8.7
10/5/2007	16:00:40	29.4	123	128.5	9.8	8.7
10/5/2007	16:30:40	29.3	122	126.4	9.7	8.6
10/5/2007	17:00:40	28.9	122	123	9.5	8.6
10/5/2007	17:30:40	28.5	121	119.6	9.3	8.6
10/5/2007	18:00:40	28.1	120	115.5	9.0	8.6
10/5/2007	18:30:40	27.7	120	111	8.7	8.6
10/5/2007	19:00:40	27.5	120	106.7	8.4	8.5
10/5/2007	19:30:40	27.3	119	102.7	8.1	8.4
10/5/2007	20:00:40	27.1	119	99	7.9	8.4
10/5/2007	20:30:40	27.0	118	95.8	7.6	8.3
10/5/2007	21:00:40	27.0	118	93.4	7.4	8.3
10/5/2007	21:30:40	26.9	118	91.5	7.3	8.3
10/5/2007	22:00:40	26.8	117	89.9	7.2	8.2
10/5/2007	22:30:40	26.7	117	88.9	7.1	8.2
10/5/2007	23:00:40	26.7	117	88.2	7.1	8.2
10/5/2007	23:30:40	26.6	117	87.7	7.0	8.2
10/6/2007	0:00:40	26.5	118	86.7	7.0	8.2
10/6/2007	0:30:40	26.3	118	86.1	6.9	8.2
10/6/2007	1:00:40	26.2	119	85.8	6.9	8.2
10/6/2007	1:30:40	26.0	119	85.3	6.9	8.1
10/6/2007	2:00:40	25.9	120	84.5	6.9	8.1
10/6/2007	2:30:40	25.7	121	84.3	6.9	8.0
10/6/2007	3:00:40	25.5	121	83.9	6.9	8.0
10/6/2007	3:30:40	25.4	122	83.6	6.9	8.0
10/6/2007	4:00:40	25.2	123	83.3	6.9	8.0
10/6/2007	4:30:40	25.1	124	83.2	6.9	7.9
10/6/2007	5:00:40	24.9	125	83.1	6.9	7.9

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/6/2007	5:30:40	24.7	126	83.8	7.0	7.9
10/6/2007	6:00:40	24.6	126	83.1	6.9	7.9
10/6/2007	6:30:40	24.4	127	83.6	7.0	7.8
10/6/2007	7:00:40	24.3	127	83.3	7.0	7.8
10/6/2007	7:30:40	24.2	127	83.5	7.0	7.8
10/6/2007	8:00:40	24.1	127	83.6	7.0	7.8
10/6/2007	8:30:40	24.0	127	84.3	7.1	7.8
10/6/2007	9:00:40	24.0	127	85.4	7.2	7.8
10/6/2007	9:30:40	23.9	128	86.3	7.3	7.8
10/6/2007	10:00:40	23.9	128	87.6	7.4	7.8
10/6/2007	10:30:40	24.1	128	90.2	7.6	7.9
10/6/2007	11:00:40	24.3	127	92.1	7.7	7.9
10/6/2007	11:30:40	24.6	127	96.1	8.0	7.9
10/6/2007	12:00:40	25.1	127	100.6	8.3	8.0
10/6/2007	12:30:40	26.1	126	105.2	8.5	8.1
10/6/2007	13:00:40	26.8	127	110	8.8	8.2
10/6/2007	13:30:40	27.3	126	114.9	9.1	8.3
10/6/2007	14:00:40	27.9	125	118.4	9.3	8.3
10/6/2007	14:30:40	28.8	125	122	9.4	8.4
10/6/2007	15:00:40	29.1	125	124.7	9.6	8.5
10/6/2007	15:30:40	29.1	125	123.9	9.5	8.5
10/6/2007	16:00:40	29.1	125	124.1	9.5	8.5
10/6/2007	16:30:40	29.2	125	124.6	9.5	8.6
10/6/2007	17:00:40	29.2	124	122	9.3	8.6
10/6/2007	17:30:40	28.9	124	118.1	9.1	8.5
10/6/2007	18:00:40	28.5	123	113.7	8.8	8.5
10/6/2007	18:30:40	28.3	123	110	8.6	8.5
10/6/2007	19:00:40	28.0	123	106	8.3	8.4
10/6/2007	19:30:40	27.8	122	102	8.0	8.4
10/6/2007	20:00:40	27.6	122	98.3	7.7	8.4
10/6/2007	20:30:40	27.5	122	95.1	7.5	8.3
10/6/2007	21:00:40	27.4	121	91.9	7.3	8.2
10/6/2007	21:30:40	27.3	120	89.4	7.1	8.2
10/6/2007	22:00:40	27.2	120	88.1	7.0	8.2
10/6/2007	22:30:40	27.1	120	87	6.9	8.2
10/6/2007	23:00:40	27.1	119	86	6.8	8.2
10/6/2007	23:30:40	27.0	119	85.3	6.8	8.1
10/7/2007	0:00:40	26.9	119	84.6	6.8	8.1
10/7/2007	0:30:40	26.8	120	84.1	6.7	8.1
10/7/2007	1:00:40	26.7	121	83.4	6.7	8.1
10/7/2007	1:30:40	26.6	121	83	6.7	8.1

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/7/2007	2:00:40	26.4	122	82.6	6.6	8.0
10/7/2007	2:30:40	26.2	122	82.8	6.7	8.0
10/7/2007	3:00:40	26.1	123	82.4	6.7	8.0
10/7/2007	3:30:40	25.8	124	82.2	6.7	8.0
10/7/2007	4:00:40	25.6	124	81.9	6.7	7.9
10/7/2007	4:30:40	25.4	125	81.5	6.7	7.9
10/7/2007	5:00:40	25.2	126	81.1	6.7	7.9
10/7/2007	5:30:40	25.0	126	81.2	6.7	7.8
10/7/2007	6:00:40	24.8	127	81.5	6.8	7.8
10/7/2007	6:30:40	24.6	128	80.2	6.7	7.8
10/7/2007	7:00:40	24.3	129	80.5	6.7	7.8
10/7/2007	7:30:40	24.1	130	80.6	6.8	7.8
10/7/2007	8:00:40	24.0	130	81.3	6.8	7.8
10/7/2007	8:30:40	23.8	130	82.1	6.9	7.8
10/7/2007	9:00:40	23.7	131	82.8	7.0	7.8
10/7/2007	9:30:40	23.6	130	84.2	7.1	7.8
10/7/2007	10:00:40	23.7	127	87	7.4	7.8
10/7/2007	10:30:40	23.8	125	88.1	7.4	7.8
10/7/2007	11:00:40	24.0	124	91.6	7.7	7.8
10/7/2007	11:30:40	24.5	123	95.4	8.0	7.9
10/7/2007	12:00:40	24.8	123	99.3	8.2	7.9
10/7/2007	12:30:40	25.2	123	104.1	8.6	8.0
10/7/2007	13:00:40	25.6	123	108.3	8.8	8.1
10/7/2007	13:30:40	26.2	123	112.2	9.1	8.2
10/7/2007	14:00:40	26.7	124	117	9.4	8.3
10/7/2007	14:30:40	27.0	125	119.1	9.5	8.4
10/7/2007	15:00:40	27.4	126	121.7	9.6	8.5
10/7/2007	15:30:40	27.6	127	124	9.8	8.5
10/7/2007	16:00:40	27.8	127	124.1	9.8	8.6
10/7/2007	16:30:40	27.8	128	123.4	9.7	8.6
10/7/2007	17:00:40	27.8	128	123.3	9.7	8.6
10/7/2007	17:30:40	27.8	128	121.6	9.6	8.6
10/7/2007	18:00:40	27.7	128	119.4	9.4	8.6
10/7/2007	18:30:40	27.6	127	115.4	9.1	8.6
10/7/2007	19:00:40	27.3	126	110.8	8.8	8.6
10/7/2007	19:30:40	27.1	126	105.4	8.4	8.5
10/7/2007	20:00:40	26.9	125	101.9	8.1	8.4
10/7/2007	20:30:40	26.7	124	98.4	7.9	8.4
10/7/2007	21:00:40	26.6	123	95	7.6	8.3
10/7/2007	21:30:40	26.5	123	92.2	7.4	8.2
10/7/2007	22:00:40	26.5	122	89.7	7.2	8.2

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/7/2007	22:30:40	26.4	122	88.5	7.1	8.2
10/7/2007	23:00:40	26.4	121	86.8	7.0	8.1
10/7/2007	23:30:40	26.4	121	86	6.9	8.1
10/8/2007	0:00:40	26.3	120	85.1	6.9	8.1
10/8/2007	0:30:40	26.3	120	84.2	6.8	8.0
10/8/2007	1:00:40	26.2	120	83.9	6.8	8.0
10/8/2007	1:30:40	26.1	121	83.1	6.7	8.0
10/8/2007	2:00:40	26.0	121	82.8	6.7	8.0
10/8/2007	2:30:40	25.9	122	81.6	6.6	8.0
10/8/2007	3:00:40	25.8	122	81.1	6.6	7.9
10/8/2007	3:30:40	25.7	123	81.1	6.6	7.9
10/8/2007	4:00:40	25.6	124	81.1	6.6	7.9
10/8/2007	4:30:40	25.4	125	81	6.6	7.9
10/8/2007	5:00:40	25.3	125	81.3	6.7	7.8
10/8/2007	5:30:40	25.1	126	81.3	6.7	7.8
10/8/2007	6:00:40	24.9	126	80.7	6.7	7.8
10/8/2007	6:30:40	24.8	127	81.1	6.7	7.8
10/8/2007	7:00:40	24.6	127	80.9	6.7	7.8
10/8/2007	7:30:40	24.4	128	80.6	6.7	7.8
10/8/2007	8:00:40	24.3	128	81.9	6.9	7.8
10/8/2007	8:30:40	24.2	128	82.5	6.9	7.7
10/8/2007	9:00:40	24.1	128	83.4	7.0	7.7
10/8/2007	9:30:40	24.0	128	84.2	7.1	7.8
10/8/2007	10:00:40	24.0	128	85.4	7.2	7.8
10/8/2007	10:30:40	24.1	128	87.2	7.3	7.8
10/8/2007	11:00:40	24.2	128	90	7.6	7.8
10/8/2007	11:30:40	24.5	128	93.3	7.8	7.8
10/8/2007	12:00:40	24.7	127	97.4	8.1	7.9
10/8/2007	12:30:40	25.3	127	101.6	8.3	8.0
10/8/2007	13:00:40	25.7	127	106.5	8.7	8.1
10/8/2007	13:30:40	26.5	127	111.8	9.0	8.2
10/8/2007	14:00:40	27.1	127	116.7	9.3	8.3
10/8/2007	14:30:40	27.7	127	121	9.5	8.4
10/8/2007	15:00:40	28.2	127	124.1	9.7	8.5
10/8/2007	15:30:40	28.7	127	125.2	9.7	8.5
10/8/2007	16:00:40	28.8	127	126.5	9.8	8.5
10/8/2007	16:30:40	28.7	126	125.6	9.7	8.6
10/8/2007	17:00:40	28.4	126	121.4	9.4	8.5
10/8/2007	17:30:40	28.0	126	116.5	9.1	8.5
10/8/2007	18:00:40	27.5	126	111.2	8.8	8.4
10/8/2007	18:30:40	27.0	125	106.1	8.5	8.3

Table 8. Physical property data recorded at 30-minute intervals for station 07286006 Ascalmore Creek near Macel, Mississippi, October 3–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/8/2007	19:00:40	26.6	125	102.3	8.2	8.3
10/8/2007	19:30:40	26.4	123	99.6	8.0	8.2
10/8/2007	20:00:40	26.2	122	96.4	7.8	8.2
10/8/2007	20:30:40	26.1	120	93.3	7.6	8.1
10/8/2007	21:00:40	26.0	119	91.8	7.4	8.1
10/8/2007	21:30:40	25.9	118	89.6	7.3	8.1
10/8/2007	22:00:40	26.0	117	87.9	7.1	8.0
10/8/2007	22:30:40	26.2	116	86.6	7.0	8.0
10/8/2007	23:00:40	26.3	115	85.1	6.9	8.0
10/8/2007	23:30:40	26.4	115	84.3	6.8	7.9
10/9/2007	0:00:40	26.3	118	83.3	6.7	7.9
10/9/2007	0:30:40	26.2	118	81.8	6.6	7.9
10/9/2007	1:00:40	26.0	120	80.8	6.6	7.9
10/9/2007	1:30:40	25.8	120	80	6.5	7.9
10/9/2007	2:00:40	25.6	121	79.5	6.5	7.8
10/9/2007	2:30:40	25.4	121	78.2	6.4	7.8
10/9/2007	3:00:40	25.1	122	77.9	6.4	7.8
10/9/2007	3:30:40	25.0	122	77.6	6.4	7.8
10/9/2007	4:00:40	24.8	123	77.3	6.4	7.7
10/9/2007	4:30:40	24.6	124	77.3	6.4	7.7
10/9/2007	5:00:40	24.5	126	77	6.4	7.7
10/9/2007	5:30:40	24.4	126	77.1	6.4	7.7
10/9/2007	6:00:40	24.2	127	77.3	6.5	7.7
10/9/2007	6:30:40	24.1	127	77.5	6.5	7.7
10/9/2007	7:00:40	24.0	127	77.6	6.5	7.7
10/9/2007	7:30:40	23.8	127	78.1	6.6	7.7
10/9/2007	8:00:40	23.7	127	78.8	6.7	7.7
10/9/2007	8:30:40	23.6	127	78.6	6.7	7.7
10/9/2007	9:00:40	23.6	128	80.1	6.8	7.7
10/9/2007	9:30:40	23.6	128	81.4	6.9	7.7

Table 9. Physical property data recorded at 30-minute intervals for station 07286011 Brushy Creek near Macel, Mississippi, October 1–3, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/1/2007	14:30:40	22.7	262	87.9	7.6	7.8
10/1/2007	15:00:40	22.9	261	92.7	8.0	8.0
10/1/2007	15:30:40	23.0	261	93.6	8.0	8.0
10/1/2007	16:00:40	23.1	261	95.7	8.2	8.1
10/1/2007	16:30:40	23.1	260	103.2	8.8	8.2
10/1/2007	17:00:40	23.1	260	102.3	8.8	8.3
10/1/2007	17:30:40	23.1	259	107.3	9.2	8.4
10/1/2007	18:00:40	23.1	259	105.3	9.0	8.3
10/1/2007	18:30:40	23.1	259	103.7	8.9	8.3
10/1/2007	19:00:40	23.0	259	107.2	9.2	8.3
10/1/2007	19:30:40	22.9	259	106.8	9.2	8.4
10/1/2007	20:00:40	22.8	259	100.2	8.6	8.2
10/1/2007	20:30:40	22.7	260	90.3	7.8	8.1
10/1/2007	21:00:40	22.6	260	86.9	7.5	8.0
10/1/2007	21:30:40	22.5	265	87	7.5	8.0
10/1/2007	22:00:40	22.5	260	82.8	7.2	7.9
10/1/2007	22:30:40	22.4	260	78	6.8	7.8
10/1/2007	23:00:40	22.3	260	74.7	6.5	7.8
10/1/2007	23:30:40	22.3	261	74.2	6.4	7.7
10/2/2007	0:00:40	22.2	260	71.4	6.2	7.7
10/2/2007	0:30:40	22.1	261	69.6	6.1	7.7
10/2/2007	1:00:40	22.1	261	64.9	5.7	7.7
10/2/2007	1:30:40	22.0	261	65.9	5.8	7.6
10/2/2007	2:00:40	21.9	261	64.2	5.6	7.6
10/2/2007	2:30:40	21.9	261	61.2	5.4	7.6
10/2/2007	3:00:40	21.8	262	62.6	5.5	7.6
10/2/2007	3:30:40	21.7	262	62.4	5.5	7.6
10/2/2007	4:00:40	21.6	262	57.8	5.1	7.6
10/2/2007	4:30:40	21.6	262	57.4	5.1	7.6
10/2/2007	5:00:40	21.5	262	56.9	5.0	7.6
10/2/2007	5:30:40	21.4	262	54.5	4.8	7.6
10/2/2007	6:00:40	21.3	262	53.6	4.8	7.5
10/2/2007	6:30:40	21.2	265	52.4	4.6	7.5
10/2/2007	7:00:40	21.1	268	50.2	4.5	7.5
10/2/2007	7:30:40	21.1	269	49.9	4.4	7.5
10/2/2007	8:00:40	21.1	266	48.9	4.3	7.5
10/2/2007	8:30:40	21.1	265	51	4.5	7.5
10/2/2007	9:00:40	21.3	270	56.3	5.0	7.5
10/2/2007	9:30:40	21.5	268	59.4	5.2	7.6
10/2/2007	10:00:40	21.8	263	63.6	5.6	7.6
10/2/2007	10:30:40	22.0	267	66.7	5.8	7.6

Table 9. Physical property data recorded at 30-minute intervals for station 07286011 Brushy Creek near Macel, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/2/2007	11:00:40	22.3	270	70.4	6.1	7.6
10/2/2007	11:30:40	22.5	268	74.6	6.4	7.7
10/2/2007	12:00:40	22.6	269	81.3	7.0	7.8
10/2/2007	12:30:40	23.0	270	86.5	7.4	7.9
10/2/2007	13:00:40	23.3	265	95.9	8.2	8.0
10/2/2007	13:30:40	23.4	269	91.3	7.8	8.0
10/2/2007	14:00:40	23.7	267	94.9	8.0	8.0
10/2/2007	14:30:40	24.1	268	94.7	8.0	8.1
10/2/2007	15:00:40	24.5	266	115.2	9.6	8.4
10/2/2007	15:30:40	24.3	266	119.2	10.0	8.5
10/2/2007	16:00:40	24.4	263	118.9	9.9	8.7
10/2/2007	16:30:40	24.3	265	115.5	9.7	8.6
10/2/2007	17:00:40	24.3	263	121.9	10.2	8.6
10/2/2007	17:30:40	24.3	264	120.8	10.1	8.7
10/2/2007	18:00:40	24.2	260	116.5	9.8	8.7
10/2/2007	18:30:40	24.1	264	114.4	9.6	8.7
10/2/2007	19:00:40	23.9	262	114.6	9.7	8.6
10/2/2007	19:30:40	23.7	259	114.2	9.7	8.6
10/2/2007	20:00:40	23.5	258	108.8	9.2	8.5
10/2/2007	20:30:40	23.3	259	104.4	8.9	8.4
10/2/2007	21:00:40	23.1	259	98.5	8.4	8.3
10/2/2007	21:30:40	23.0	260	89.9	7.7	8.2
10/2/2007	22:00:40	22.8	260	84.8	7.3	8.0
10/2/2007	22:30:40	22.7	260	83.1	7.2	8.0
10/2/2007	23:00:40	22.6	260	79.5	6.9	7.9
10/2/2007	23:30:40	22.4	261	76.4	6.6	7.9
10/3/2007	0:00:40	22.3	261	72.9	6.3	7.8
10/3/2007	0:30:40	22.2	261	70.8	6.2	7.8
10/3/2007	1:00:40	22.1	262	69.8	6.1	7.7
10/3/2007	1:30:40	22.0	262	67.5	5.9	7.7
10/3/2007	2:00:40	21.9	262	66.9	5.8	7.7
10/3/2007	2:30:40	21.8	262	64.6	5.7	7.7
10/3/2007	3:00:40	21.7	264	63.4	5.6	7.7
10/3/2007	3:30:40	21.6	262	60.9	5.4	7.7
10/3/2007	4:00:40	21.5	262	61.3	5.4	7.6
10/3/2007	4:30:40	21.4	262	61.8	5.5	7.6
10/3/2007	5:00:40	21.3	262	59.6	5.3	7.6
10/3/2007	5:30:40	21.2	262	58.6	5.2	7.6
10/3/2007	6:00:40	21.1	262	54.1	4.8	7.6
10/3/2007	6:30:40	21.0	262	53.3	4.7	7.6
10/3/2007	7:00:40	20.9	262	52.2	4.7	7.6

Table 9. Physical property data recorded at 30-minute intervals for station 07286011 Brushy Creek near Macel, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/3/2007	7:30:40	20.9	262	51.5	4.6	7.6
10/3/2007	8:00:40	20.9	262	51.6	4.6	7.6
10/3/2007	8:30:40	20.8	262	51.9	4.6	7.6
10/3/2007	9:00:40	20.8	262	53	4.7	7.6
10/3/2007	9:30:40	20.8	262	55.1	4.9	7.6
10/3/2007	10:00:40	21.0	262	56.7	5.1	7.6
10/3/2007	10:30:40	21.2	261	65.6	5.8	7.6
10/3/2007	11:00:40	21.4	261	65.4	5.8	7.6
10/3/2007	11:30:40	21.7	261	66	5.8	7.6
10/3/2007	12:00:40	22.1	262	71.5	6.2	7.7
10/3/2007	12:30:40	22.7	263	82.3	7.1	7.9
10/3/2007	13:00:40	22.9	262	86.5	7.4	8.0

Table 10. Physical property data recorded at 30-minute intervals for station 07287310 Spring Branch near Tchula, Mississippi, September 11–13, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard t nits)	Turbidity (FNU)
9/11/2007	11:30:40	26.2	181	109	8.9	8.1	13
9/11/2007	12:00:40	26.3	180	110.1	9.1	8.2	12
9/11/2007	12:30:40	26.5	179	113.4	9.2	8.2	12
9/11/2007	13:00:40	26.7	179	115.1	9.5	8.3	12
9/11/2007	13:30:40	27.2	179	119.8	9.5	8.4	12
9/11/2007	14:00:40	27.1	179	119.2	9.6	8.4	12
9/11/2007	14:30:40	27.3	179	120.9	9.7	8.5	12
9/11/2007	15:00:40	27.5	178	122.5	9.8	8.6	12
9/11/2007	15:30:40	27.6	177	123.8	9.7	8.6	12
9/11/2007	16:00:40	27.4	177	122.9	9.7	8.6	12
9/11/2007	16:30:40	27.3	177	122	9.4	8.6	12
9/11/2007	17:00:40	27.1	177	118.7	9.3	8.6	12
9/11/2007	17:30:40	26.9	176	116.8	9.2	8.6	12
9/11/2007	18:00:40	26.6	176	114.3	9.0	8.5	12
9/11/2007	18:30:40	26.4	176	111.2	8.7	8.5	12
9/11/2007	19:00:40	26.0	176	107	8.4	8.4	11
9/11/2007	19:30:40	25.7	176	102.6	8.1	8.3	12
9/11/2007	20:00:40	25.4	176	98.7	7.9	8.2	12
9/11/2007	20:30:40	25.1	177	96.2	7.8	8.1	11
9/11/2007	21:00:40	25.0	177	94.5	7.8	8.0	11
9/11/2007	21:30:40	24.8	177	93.7	7.8	8.0	11
9/11/2007	22:00:40	24.6	178	93.3	7.8	8.0	11
9/11/2007	22:30:40	24.4	178	93.1	7.8	8.0	11
9/11/2007	23:00:40	24.3	178	93	7.8	8.0	11
9/11/2007	23:30:40	24.2	179	92.8	7.8	8.0	11
9/12/2007	0:00:40	24.1	179	92.6	7.8	8.0	12
9/12/2007	0:30:40	23.9	180	92.4	7.8	8.0	12
9/12/2007	1:00:40	23.8	180	92.3	7.8	7.9	12
9/12/2007	1:30:40	23.5	181	92.3	7.9	7.9	11
9/12/2007	2:00:40	23.3	181	92.4	7.9	7.9	12
9/12/2007	2:30:40	23.1	182	92.3	7.9	7.9	12
9/12/2007	3:00:40	23.0	182	92.3	8.0	7.9	12
9/12/2007	3:30:40	22.8	183	92.5	8.0	7.9	12
9/12/2007	4:00:40	22.6	184	92.4	8.0	7.9	11
9/12/2007	4:30:40	22.5	184	92.3	8.0	7.9	11
9/12/2007	5:00:40	22.3	185	92.4	8.1	7.9	12
9/12/2007	5:30:40	22.2	185	92.7	8.1	7.9	12
9/12/2007	6:00:40	22.0	186	92.8	8.1	7.9	13
9/12/2007	6:30:40	21.9	186	92.8	8.2	7.9	12
9/12/2007	7:00:40	21.8	187	93.3	8.3	7.9	12

Table 10. Physical property data recorded at 30-minute intervals for station 07287310 Spring Branch near Tchula, Mississippi, September 11–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard t nits)	Turbidity (FNU)
9/12/2007	7:30:40	21.8	187	94.3	8.5	7.9	12
9/12/2007	8:00:40	21.8	187	96.8	8.7	8.0	12
9/12/2007	8:30:40	22.0	187	100	9.1	8.0	11
9/12/2007	9:00:40	22.5	187	104.7	9.3	8.1	12
9/12/2007	9:30:40	22.9	187	108.8	9.6	8.2	11
9/12/2007	10:00:40	23.7	186	113.8	9.9	8.3	12
9/12/2007	10:30:40	24.6	186	118.7	10.1	8.3	12
9/12/2007	11:00:40	25.6	186	123.6	10.4	8.4	12
9/12/2007	11:30:40	26.5	186	129.1	10.5	8.5	12
9/12/2007	12:00:40	27.4	186	132.3	10.4	8.5	12
9/12/2007	12:30:40	27.7	185	131.7	10.2	8.5	12
9/12/2007	13:00:40	28.5	185	132	10.0	8.6	12
9/12/2007	13:30:40	29.2	186	130.4	9.9	8.6	12
9/12/2007	14:00:40	29.7	185	129.9	9.8	8.6	11
9/12/2007	14:30:40	30.1	185	129.2	9.6	8.6	12
9/12/2007	15:00:40	30.1	185	127.2	9.5	8.6	12
9/12/2007	15:30:40	30.0	185	125.5	9.4	8.6	12
9/12/2007	16:00:40	29.8	185	123.8	9.3	8.6	12
9/12/2007	16:30:40	29.5	185	121.8	9.2	8.6	12
9/12/2007	17:00:40	29.0	185	119.1	9.0	8.5	12
9/12/2007	17:30:40	28.4	185	116.2	8.8	8.5	12
9/12/2007	18:00:40	27.8	185	112.7	8.7	8.4	12
9/12/2007	18:30:40	27.2	186	109.3	8.5	8.3	12
9/12/2007	19:00:40	26.6	186	105.6	8.2	8.3	11
9/12/2007	19:30:40	26.1	186	101.8	8.0	8.2	11
9/12/2007	20:00:40	25.6	186	98.5	7.9	8.1	12
9/12/2007	20:30:40	25.2	186	95.8	7.8	8.0	11
9/12/2007	21:00:40	24.9	186	93.7	7.7	8.0	11
9/12/2007	21:30:40	24.7	186	92.9	7.7	8.0	11
9/12/2007	22:00:40	24.5	186	92.2	7.7	7.9	11
9/12/2007	22:30:40	24.3	186	91.7	7.7	7.9	11
9/12/2007	23:00:40	24.2	186	91.4	7.6	7.9	11
9/12/2007	23:30:40	24.1	186	91.1	7.7	7.9	11
9/13/2007	0:00:40	24.0	186	91	7.6	7.9	11
9/13/2007	0:30:40	23.9	186	90.8	7.6	7.9	11
9/13/2007	1:00:40	23.9	187	90.7	7.7	7.9	11
9/13/2007	1:30:40	23.8	187	90.7	7.7	7.9	11
9/13/2007	2:00:40	23.7	188	90.6	7.7	7.9	11
9/13/2007	2:30:40	23.6	188	90.5	7.7	7.8	11
9/13/2007	3:00:40	23.5	189	90.2	7.7	7.8	11

Table 10. Physical property data recorded at 30-minute intervals for station 07287310 Spring Branch near Tchula, Mississippi, September 11–13, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard t nits)	Turbidity (FNU)
9/13/2007	3:30:40	23.4	189	90.3	7.7	7.8	11
9/13/2007	4:00:40	23.4	190	90.2	7.7	7.8	11
9/13/2007	4:30:40	23.3	190	90.6	7.8	7.8	11
9/13/2007	5:00:40	23.3	191	90.8	7.8	7.8	11
9/13/2007	5:30:40	23.3	192	91	7.8	7.8	11
9/13/2007	6:00:40	23.3	192	91.2	7.8	7.8	11
9/13/2007	6:30:40	23.2	193	91.4	7.8	7.8	11
9/13/2007	7:00:40	23.2	194	91.5	7.8	7.8	11
9/13/2007	7:30:40	23.3	194	91.9	7.9	7.8	11
9/13/2007	8:00:40	23.3	195	93	8.1	7.9	11
9/13/2007	8:30:40	23.4	195	95.1	8.3	7.9	11
9/13/2007	9:00:40	23.6	194	97.7	8.6	7.9	11
9/13/2007	9:30:40	23.8	194	101.3	8.8	8.0	11
9/13/2007	10:00:40	24.2	194	105.3	9.2	8.1	11
9/13/2007	10:30:40	24.6	193	110	9.5	8.2	11
9/13/2007	11:00:40	25.1	192	115.5	9.8	8.2	11
9/13/2007	11:30:40	25.6	192	119.7	10.0	8.3	11
9/13/2007	12:00:40	26.0	191	122.9	10.1	8.4	11
9/13/2007	12:30:40	26.4	190	124.9	10.1	8.5	11
9/13/2007	13:00:40	26.5	190	125.7	10.0	8.5	11
9/13/2007	13:30:40	26.5	189	125	9.8	8.5	11
9/13/2007	14:00:40	26.4	189	122.4	9.9	8.5	11

Table 11. Physical property data recorded at 30-minute intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007.[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; -- , no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/4/2007	10:30:40	24.2	667	107.3	9.0	8.6
10/4/2007	11:00:40	24.6	664	107.7	8.9	8.6
10/4/2007	11:30:40	24.8	663	106	8.8	8.6
10/4/2007	12:00:40	25.2	663	105.4	8.7	8.6
10/4/2007	12:30:40	25.7	666	112.5	9.2	8.6
10/4/2007	13:00:40	25.9	668	125.3	10.2	8.6
10/4/2007	13:30:40	26.2	669	126.3	10.2	8.6
10/4/2007	14:00:40	26.4	670	130.6	10.5	8.6
10/4/2007	14:30:40	26.7	671	137.3	11.0	8.7
10/4/2007	15:00:40	26.9	672	139.5	11.1	8.7
10/4/2007	15:30:40	27.0	672	141.8	11.3	8.7
10/4/2007	16:00:40	27.1	673	144.4	11.5	8.7
10/4/2007	16:30:40	27.2	672	146.5	11.6	8.7
10/4/2007	17:00:40	27.4	673	149.9	11.8	8.7
10/4/2007	17:30:40	27.4	672	151.1	11.9	8.7
10/4/2007	18:00:40	27.4	673	151.2	11.9	8.7
10/4/2007	18:30:40	27.4	673	152	12.0	8.7
10/4/2007	19:00:40	27.3	674	153	12.1	8.7
10/4/2007	19:30:40	27.2	674	152	12.0	8.7
10/4/2007	20:00:40	27.0	673	150.7	12.0	8.7
10/4/2007	20:30:40	26.9	674	144.3	11.5	8.7
10/4/2007	21:00:40	26.7	673	141.3	11.3	8.6
10/4/2007	21:30:40	26.5	675	137.8	11.0	8.6
10/4/2007	22:00:40	26.4	674	135.3	10.9	8.6
10/4/2007	22:30:40	26.2	677	132.5	10.7	8.6
10/4/2007	23:00:40	26.0	676	130.6	10.6	8.6
10/4/2007	23:30:40	25.8	679	127.4	10.4	8.6
10/4/2007	0:00:40	25.6	681	124	10.1	8.6
10/4/2007	0:30:40	25.4	684	120.2	9.8	8.5
10/4/2007	1:00:40	25.2	686	116.6	9.6	8.5
10/4/2007	1:30:40	25.1	687	113.7	9.4	8.5
10/5/2007	2:00:40	25.0	687	112.1	9.2	8.5
10/5/2007	2:30:40	24.9	688	112.4	9.3	8.5
10/5/2007	3:00:40	24.8	687	112.8	9.3	8.5
10/5/2007	3:30:40	24.8	687	113	9.4	8.5
10/5/2007	4:00:40	24.7	687	112.3	9.3	8.5
10/5/2007	4:30:40	24.6	686	114.1	9.5	8.5
10/5/2007	5:00:40	24.5	688	112.7	9.4	8.4
10/5/2007	5:30:40	24.4	691	107.8	9.0	8.4
10/5/2007	6:00:40	24.3	696	100.2	8.4	8.4
10/5/2007	6:30:40	24.1	702	92	7.7	8.3

Table 11. Physical property data recorded at 30-minute intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007.—Continued

[μS/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μS/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/5/2007	7:00:40	24.0	710	82	6.9	8.3
10/5/2007	7:30:40	23.9	719	72.2	6.1	8.2
10/5/2007	8:00:40	23.9	727	64.2	5.4	8.2
10/5/2007	8:30:40	23.9	733	59.8	5.0	8.2
10/5/2007	9:00:40	24.0	737	58.3	4.9	8.2
10/5/2007	9:30:40	24.3	740	58.6	4.9	8.2
10/5/2007	10:00:40	24.6	740	62.9	5.2	8.2
10/5/2007	10:30:40	24.9	738	67.5	5.6	8.2
10/5/2007	11:00:40	25.5	733	72.1	5.9	8.2
10/5/2007	11:30:40	26.0	730	76.6	6.2	8.2
10/5/2007	12:00:40	26.3	725	80	6.4	8.2
10/5/2007	12:30:40	26.7	722	84.9	6.8	8.2
10/5/2007	13:00:40	26.9	719	90.2	7.2	8.2
10/5/2007	13:30:40	27.1	716	96.6	7.7	8.2
10/5/2007	14:00:40	27.4	714	102.7	8.1	8.2
10/5/2007	14:30:40	27.7	712	108.2	8.5	8.2
10/5/2007	15:00:40	28.0	710	115.6	9.0	8.3
10/5/2007	15:30:40	28.2	708	122.2	9.5	8.3
10/5/2007	16:00:40	28.3	705	127.7	9.9	8.3
10/5/2007	16:30:40	28.4	703	133.2	10.3	8.4
10/5/2007	17:00:40	28.4	700	139.5	10.8	8.4
10/5/2007	17:30:40	28.3	698	143.8	11.2	8.4
10/5/2007	18:00:40	28.1	694	146.8	11.4	8.4
10/5/2007	18:30:40	27.9	693	148.9	11.6	8.5
10/5/2007	19:00:40	27.7	691	146.4	11.5	8.4
10/5/2007	19:30:40	27.6	690	144.5	11.4	8.4
10/5/2007	20:00:40	27.4	688	142.6	11.3	8.4
10/5/2007	20:30:40	27.2	686	142.6	11.3	8.4
10/5/2007	21:00:40	26.9	684	141.9	11.3	8.4
10/5/2007	21:30:40	26.7	682	141.9	11.3	8.5
10/5/2007	22:00:40	26.5	682	140.4	11.3	8.5
10/5/2007	22:30:40	26.4	681	138	11.1	8.4
10/5/2007	23:00:40	26.2	681	135.6	10.9	8.4
10/5/2007	23:30:40	26.1	679	134	10.8	8.4
10/5/2007	0:00:40	26.0	678	131.4	10.6	8.4
10/5/2007	0:30:40	25.9	678	130.1	10.6	8.4
10/5/2007	1:00:40	25.8	676	128.6	10.5	8.4
10/5/2007	1:30:40	25.6	675	126.4	10.3	8.4
10/6/2007	2:00:40	25.5	674	122.6	10.0	8.4
10/6/2007	2:30:40	25.4	673	121.8	10.0	8.4
10/6/2007	3:00:40	25.3	672	118.6	9.7	8.4

Table 11. Physical property data recorded at 30-minute intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/6/2007	3:30:40	25.2	672	113.6	9.3	8.4
10/6/2007	4:00:40	25.0	672	107.2	8.8	8.4
10/6/2007	4:30:40	24.9	673	99.3	8.2	8.4
10/6/2007	5:00:40	24.8	675	91.6	7.6	8.3
10/6/2007	5:30:40	24.7	677	84.4	7.0	8.3
10/6/2007	6:00:40	24.6	679	76.6	6.4	8.3
10/6/2007	6:30:40	24.5	680	69.7	5.8	8.3
10/6/2007	7:00:40	24.5	681	63	5.2	8.2
10/6/2007	7:30:40	24.4	683	57.2	4.8	8.2
10/6/2007	8:00:40	24.4	684	53.2	4.4	8.2
10/6/2007	8:30:40	24.4	687	51.4	4.3	8.2
10/6/2007	9:00:40	24.5	687	51.9	4.3	8.2
10/6/2007	9:30:40	24.7	689	55	4.6	8.2
10/6/2007	10:00:40	25.0	690	57.9	4.8	8.2
10/6/2007	10:30:40	25.3	693	62.3	5.1	8.2
10/6/2007	11:00:40	25.8	693	67.5	5.5	8.2
10/6/2007	11:30:40	26.1	694	71.3	5.8	8.2
10/6/2007	12:00:40	26.5	697	74.7	6.0	8.2
10/6/2007	12:30:40	26.9	699	79.3	6.3	8.2
10/6/2007	13:00:40	27.2	702	83.8	6.6	8.2
10/6/2007	13:30:40	27.7	705	89.5	7.0	8.2
10/6/2007	14:00:40	28.0	706	97.1	7.6	8.2
10/6/2007	14:30:40	28.3	708	104.5	8.1	8.2
10/6/2007	15:00:40	28.6	709	107.9	8.3	8.3
10/6/2007	15:30:40	28.8	709	119.1	9.2	8.3
10/6/2007	16:00:40	29.0	709	128.8	9.9	8.3
10/6/2007	16:30:40	29.1	707	135.3	10.4	8.4
10/6/2007	17:00:40	29.1	706	141.5	10.8	8.4
10/6/2007	17:30:40	29.0	704	145.4	11.2	8.4
10/6/2007	18:00:40	28.8	701	151.5	11.7	8.4
10/6/2007	18:30:40	28.6	699	150.3	11.6	8.4
10/6/2007	19:00:40	28.4	698	151.3	11.7	8.4
10/6/2007	19:30:40	28.2	714	147.3	11.5	8.4
10/6/2007	20:00:40	28.0	713	144.9	11.3	8.4
10/6/2007	20:30:40	27.8	711	146.8	11.5	8.4
10/6/2007	21:00:40	27.6	709	148.3	11.7	8.5
10/6/2007	21:30:40	27.3	707	148.1	11.7	8.5
10/6/2007	22:00:40	27.1	705	147.2	11.7	8.5
10/6/2007	22:30:40	26.8	703	145.8	11.6	8.5
10/6/2007	23:00:40	26.6	701	144.9	11.6	8.5
10/6/2007	23:30:40	26.4	698	144	11.6	8.5

Table 11. Physical property data recorded at 30-minute intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; -- , no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/6/2007	0:00:40	26.3	697	141.7	11.4	8.5
10/6/2007	0:30:40	26.2	696	137.8	11.1	8.5
10/6/2007	1:00:40	26.0	695	133.5	10.8	8.5
10/6/2007	1:30:40	25.9	694	126.1	10.2	8.5
10/7/2007	2:00:40	25.7	695	116.3	9.5	8.4
10/7/2007	2:30:40	25.5	697	103.4	8.4	8.4
10/7/2007	3:00:40	25.4	699	92.8	7.6	8.3
10/7/2007	3:30:40	25.2	700	83.1	6.8	8.3
10/7/2007	4:00:40	25.1	701	74.3	6.1	8.3
10/7/2007	4:30:40	25.0	702	67	5.5	8.2
10/7/2007	5:00:40	24.9	702	62	5.1	8.2
10/7/2007	5:30:40	24.9	702	59.3	4.9	8.2
10/7/2007	6:00:40	24.8	703	57	4.7	8.2
10/7/2007	6:30:40	24.7	702	56.8	4.7	8.2
10/7/2007	7:00:40	24.6	702	56	4.6	8.2
10/7/2007	7:30:40	24.5	698	55.3	4.6	8.1
10/7/2007	8:00:40	24.5	694	54.9	4.6	8.1
10/7/2007	8:30:40	24.5	689	55.5	4.6	8.1
10/7/2007	9:00:40	24.6	683	57.1	4.8	8.1
10/7/2007	9:30:40	24.8	678	59.5	4.9	8.1
10/7/2007	10:00:40	25.1	674	62.7	5.2	8.1
10/7/2007	10:30:40	25.5	670	66.1	5.4	8.1
10/7/2007	11:00:40	25.8	666	68.1	5.5	8.1
10/7/2007	11:30:40	26.2	663	70.1	5.7	8.1
10/7/2007	12:00:40	26.7	661	75.4	6.0	8.1
10/7/2007	12:30:40	26.8	659	75.7	6.0	8.1
10/7/2007	13:00:40	26.8	655	79.5	6.3	8.1
10/7/2007	13:30:40	26.9	654	82.1	6.5	8.1
10/7/2007	14:00:40	27.3	653	88.3	7.0	8.2
10/7/2007	14:30:40	27.8	652	95.8	7.5	8.2
10/7/2007	15:00:40	28.3	651	104	8.1	8.2
10/7/2007	15:30:40	28.6	650	111	8.6	8.3
10/7/2007	16:00:40	28.6	649	113.2	8.8	8.3
10/7/2007	16:30:40	28.6	645	125	9.7	8.4
10/7/2007	17:00:40	28.4	644	128.7	10.0	8.4
10/7/2007	17:30:40	28.4	643	134.3	10.4	8.4
10/7/2007	18:00:40	28.2	640	136.1	10.6	8.4
10/7/2007	18:30:40	28.0	640	134.8	10.5	8.4
10/7/2007	19:00:40	27.8	639	132.3	10.4	8.4
10/7/2007	19:30:40	27.7	641	128.8	10.1	8.4
10/7/2007	20:00:40	27.5	639	128.4	10.1	8.4

Table 11. Physical property data recorded at 30-minute intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/7/2007	20:30:40	27.3	636	131.8	10.4	8.4
10/7/2007	21:00:40	27.1	635	130.7	10.4	8.4
10/7/2007	21:30:40	26.9	633	130	10.4	8.4
10/7/2007	22:00:40	26.8	631	127.7	10.2	8.4
10/7/2007	22:30:40	26.6	630	124.1	9.9	8.4
10/7/2007	23:00:40	26.5	626	128.9	10.3	8.4
10/7/2007	23:30:40	26.3	621	129.1	10.4	8.5
10/7/2007	0:00:40	26.2	619	128.9	10.4	8.5
10/7/2007	0:30:40	26.1	616	129	10.4	8.5
10/7/2007	1:00:40	26.0	615	125.7	10.2	8.5
10/7/2007	1:30:40	25.8	613	123.2	10.0	8.5
10/8/2007	2:00:40	25.7	612	119	9.7	8.5
10/8/2007	2:30:40	25.6	614	111.8	9.1	8.4
10/8/2007	3:00:40	25.5	617	103.9	8.5	8.4
10/8/2007	3:30:40	25.3	622	93.7	7.7	8.3
10/8/2007	4:00:40	25.2	627	86.2	7.1	8.3
10/8/2007	4:30:40	25.1	632	77.9	6.4	8.3
10/8/2007	5:00:40	25.0	639	69.4	5.7	8.2
10/8/2007	5:30:40	24.9	642	63.7	5.3	8.2
10/8/2007	6:00:40	24.8	647	59.1	4.9	8.2
10/8/2007	6:30:40	24.8	650	54.8	4.5	8.2
10/8/2007	7:00:40	24.7	655	53.1	4.4	8.1
10/8/2007	7:30:40	24.6	657	50.2	4.2	8.1
10/8/2007	8:00:40	24.6	661	49.6	4.1	8.1
10/8/2007	8:30:40	24.6	665	49.6	4.1	8.1
10/8/2007	9:00:40	24.7	669	50.4	4.2	8.0
10/8/2007	9:30:40	25.0	676	53.1	4.4	8.0
10/8/2007	10:00:40	25.3	684	55.7	4.6	8.0
10/8/2007	10:30:40	25.6	692	58.1	4.7	8.0
10/8/2007	11:00:40	25.8	703	60.5	4.9	8.0
10/8/2007	11:30:40	26.1	714	64.6	5.2	8.0
10/8/2007	12:00:40	26.0	723	65.7	5.3	8.0
10/8/2007	12:30:40	26.1	733	68.1	5.5	8.0
10/8/2007	13:00:40	26.7	743	74.8	6.0	8.0
10/8/2007	13:30:40	26.8	755	83	6.6	8.0
10/8/2007	14:00:40	27.1	756	86.4	6.9	8.0
10/8/2007	14:30:40	27.4	771	99.6	7.9	8.1
10/8/2007	15:00:40	27.3	776	109.4	8.6	8.2
10/8/2007	15:30:40	27.4	780	121.2	9.6	8.2
10/8/2007	16:00:40	27.5	786	131.4	10.4	8.3
10/8/2007	16:30:40	27.2	788	132.5	10.5	8.3

Table 11. Physical property data recorded at 30-minute intervals for station 07288185 Black Bayou at Baltzer, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/8/2007	17:00:40	27.0	790	133.3	10.6	8.3
10/8/2007	17:30:40	26.8	793	133.7	10.7	8.3
10/8/2007	18:00:40	26.6	796	134.3	10.8	8.3
10/8/2007	18:30:40	26.4	793	133.2	10.7	8.4
10/8/2007	19:00:40	26.3	798	136.2	11.0	8.4
10/8/2007	19:30:40	26.1	799	132.9	10.8	8.4
10/8/2007	20:00:40	25.9	804	128.2	10.4	8.4
10/8/2007	20:30:40	25.9	809	122.6	9.9	8.4
10/8/2007	21:00:40	25.8	808	116.5	9.5	8.4
10/8/2007	21:30:40	25.8	813	109.8	8.9	8.4
10/8/2007	22:00:40	25.7	818	101.4	8.2	8.3
10/8/2007	22:30:40	25.6	825	91	7.4	8.3
10/8/2007	23:00:40	25.6	828	83.3	6.8	8.3
10/8/2007	23:30:40	25.5	830	76.6	6.3	8.2
10/8/2007	0:00:40	25.5	836	71.2	5.8	8.2
10/8/2007	0:30:40	25.5	839	66.7	5.4	8.2
10/8/2007	1:00:40	25.4	840	63.2	5.2	8.2
10/8/2007	1:30:40	25.4	840	60.4	4.9	8.1
10/9/2007	2:00:40	25.3	838	57.5	4.7	8.1
10/9/2007	2:30:40	25.2	836	55.1	4.5	8.0
10/9/2007	3:00:40	25.1	834	52.8	4.3	8.0
10/9/2007	3:30:40	25.0	833	51.1	4.2	8.0
10/9/2007	4:00:40	24.9	832	48.9	4.0	7.9
10/9/2007	4:30:40	24.7	832	47.5	3.9	7.9
10/9/2007	5:00:40	24.6	832	46.9	3.9	7.9
10/9/2007	5:30:40	24.4	831	46.8	3.9	7.9
10/9/2007	6:00:40	24.3	831	46	3.8	7.8
10/9/2007	6:30:40	24.2	832	45.7	3.8	7.8
10/9/2007	7:00:40	24.1	832	46.1	3.9	7.8
10/9/2007	7:30:40	24.0	831	46	3.9	7.8
10/9/2007	8:00:40	23.9	830	47.2	4.0	7.8
10/9/2007	8:30:40	23.9	830	47.9	4.0	7.8
10/9/2007	9:00:40	23.8	828	50.6	4.3	7.8
10/9/2007	9:30:40	23.8	827	52.6	4.4	7.8
10/9/2007	10:00:40	23.8	826	56.4	4.8	7.9
10/9/2007	10:30:40	23.9	825	60.7	5.1	7.9
10/9/2007	11:00:40	23.9	824	66.2	5.6	7.9
10/9/2007	11:30:40	24.0	822	72.8	6.1	8.0
10/9/2007	12:00:40	24.1	822	80	6.7	8.0

Table 12. Physical property data recorded at 30-minute intervals for station 07288280 Big Sunflower River near Merigold, Mississippi, September 24– 27, 2007.[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/24/2007	16:00:40	27.0	439	64.7	5.2	7.9	25
9/24/2007	16:30:40	27.0	439	64.4	5.1	7.9	21
9/24/2007	17:00:40	26.9	439	62.4	5.0	7.9	25
9/24/2007	17:30:40	27.0	439	63.4	5.0	7.9	22
9/24/2007	18:00:40	27.1	441	71.8	5.7	8.0	19
9/24/2007	18:30:40	27.1	441	75.6	6.0	8.0	19
9/24/2007	19:00:40	27.1	442	79.3	6.4	8.1	17
9/24/2007	19:30:40	27.1	442	82.7	6.7	8.1	16
9/24/2007	20:00:40	27.1	442	86.7	7.0	8.2	14
9/24/2007	20:30:40	27.1	443	88.5	7.1	8.2	16
9/24/2007	21:00:40	27.1	443	90	7.2	8.2	14
9/24/2007	21:30:40	27.1	444	89.8	7.2	8.2	15
9/24/2007	22:00:40	27.0	444	89	7.2	8.2	16
9/24/2007	22:30:40	27.0	444	87.9	7.1	8.2	16
9/24/2007	23:00:40	26.9	444	87.1	7.0	8.2	16
9/24/2007	23:30:40	26.9	444	85.1	6.9	8.2	15
9/25/2007	0:00:40	26.9	444	83.9	6.8	8.2	16
9/25/2007	0:30:40	26.8	445	82.4	6.7	8.2	18
9/25/2007	1:00:40	26.8	445	81.1	6.6	8.1	17
9/25/2007	1:30:40	26.7	445	79.5	6.5	8.1	14
9/25/2007	2:00:40	26.7	445	78.7	6.4	8.1	18
9/25/2007	2:30:40	26.6	445	78.2	6.4	8.1	18
9/25/2007	3:00:40	26.6	445	77.5	6.4	8.1	18
9/25/2007	3:30:40	26.6	446	77	6.4	8.1	17
9/25/2007	4:00:40	26.5	446	76.7	6.4	8.1	19
9/25/2007	4:30:40	26.5	446	75.3	6.2	8.1	18
9/25/2007	5:00:40	26.5	446	74.9	6.2	8.1	18
9/25/2007	5:30:40	26.4	446	73.8	6.1	8.1	20
9/25/2007	6:00:40	26.4	446	73.5	6.1	8.1	22
9/25/2007	6:30:40	26.4	446	72.6	6.0	8.1	20
9/25/2007	7:00:40	26.4	447	71.3	5.9	8.0	23
9/25/2007	7:30:40	26.3	446	69.6	5.8	8.0	28
9/25/2007	8:00:40	26.3	447	67.9	5.7	8.0	26
9/25/2007	8:30:40	26.3	447	66.7	5.6	8.0	29
9/25/2007	9:00:40	26.3	447	65.2	5.4	8.0	27
9/25/2007	9:30:40	26.4	447	64.8	5.4	8.0	28
9/25/2007	10:00:40	26.4	447	65.2	5.4	8.0	26
9/25/2007	10:30:40	26.4	447	65.4	5.5	8.0	25
9/25/2007	11:00:40	26.4	445	67.2	5.7	8.0	26
9/25/2007	11:30:40	26.5	445	67.9	5.8	8.0	25

Table 12. Physical property data recorded at 30-minute intervals for station 07288280 Big Sunflower River near Merigold, Mississippi, September 24– 27, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/25/2007	12:00:40	26.6	446	69.8	5.9	8.0	26
9/25/2007	12:30:40	26.7	446	71.8	6.0	8.0	24
9/25/2007	13:00:40	26.7	447	73.3	6.2	8.0	21
9/25/2007	13:30:40	26.8	447	75.5	6.3	8.0	23
9/25/2007	14:00:40	26.8	447	74.9	6.3	8.0	22
9/25/2007	14:30:40	26.8	447	75.9	6.4	8.0	23
9/25/2007	15:00:40	26.9	448	78.9	6.6	8.1	24
9/25/2007	15:30:40	26.9	448	80.5	6.7	8.1	20
9/25/2007	16:00:40	26.9	448	80.6	6.7	8.1	23
9/25/2007	16:30:40	26.9	448	81.3	6.8	8.1	23
9/25/2007	17:00:40	26.9	448	83.8	7.0	8.1	20
9/25/2007	17:30:40	26.9	448	83.7	7.0	8.1	19
9/25/2007	18:00:40	26.9	449	83	6.9	8.1	20
9/25/2007	18:30:40	26.8	449	81.3	6.8	8.1	19
9/25/2007	19:00:40	26.8	449	80.1	6.8	8.1	20
9/25/2007	19:30:40	26.7	449	79.1	6.7	8.1	19
9/25/2007	20:00:40	26.7	450	77.5	6.6	8.1	19
9/25/2007	20:30:40	26.7	450	74.9	6.4	8.1	19
9/25/2007	21:00:40	26.6	450	72.1	6.2	8.1	21
9/25/2007	21:30:40	26.6	451	70	6.0	8.0	22
9/25/2007	22:00:40	26.5	451	67.5	5.8	8.0	22
9/25/2007	22:30:40	26.5	451	66.6	5.8	8.0	22
9/25/2007	23:00:40	26.5	451	66.5	5.8	8.0	22
9/25/2007	23:30:40	26.4	451	65.5	5.7	8.0	24
9/26/2007	0:00:40	26.4	451	64.7	5.6	8.0	24
9/26/2007	0:30:40	26.4	451	62.6	5.4	8.0	26
9/26/2007	1:00:40	26.3	451	59.4	5.2	7.9	24
9/26/2007	1:30:40	26.3	451	57.6	5.0	7.9	28
9/26/2007	2:00:40	26.3	451	56.8	5.0	7.9	27
9/26/2007	2:30:40	26.2	451	55.4	5.0	7.9	31
9/26/2007	3:00:40	26.2	451	52.7	4.8	7.9	31
9/26/2007	3:30:40	26.2	451	49.9	4.5	7.8	30
9/26/2007	4:00:40	26.2	451	48	4.4	7.8	31
9/26/2007	4:30:40	26.1	451	46.3	4.2	7.8	30
9/26/2007	5:00:40	26.1	452	44.4	4.1	7.8	32
9/26/2007	5:30:40	26.1	452	43.5	4.0	7.8	34
9/26/2007	6:00:40	26.1	452	44.1	4.1	7.8	36
9/26/2007	6:30:40	26.1	452	43.2	4.0	7.8	37
9/26/2007	7:00:40	26.1	452	41.8	3.9	7.8	36
9/26/2007	7:30:40	26.1	453	41.7	3.9	7.8	34

Table 12. Physical property data recorded at 30-minute intervals for station 07288280 Big Sunflower River near Merigold, Mississippi, September 24– 27, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/26/2007	8:00:40	26.1	453	41.9	3.9	7.8	36
9/26/2007	8:30:40	26.1	453	42.5	3.9	7.8	41
9/26/2007	9:00:40	26.1	453	44.3	4.1	7.8	38
9/26/2007	9:30:40	26.2	453	47.4	4.3	7.8	38
9/26/2007	10:00:40	26.3	454	49.2	4.5	7.8	44
9/26/2007	10:30:40	26.4	454	54.3	5.0	7.9	43
9/26/2007	11:00:40	26.6	454	60.3	5.4	7.9	41
9/26/2007	11:30:40	26.8	454	64.5	5.8	8.0	40
9/26/2007	12:00:40	27.0	454	69.7	6.2	8.0	41
9/26/2007	12:30:40	27.2	454	72	6.3	8.0	40
9/26/2007	13:00:40	27.4	454	73.9	6.4	8.0	38
9/26/2007	13:30:40	27.5	454	77.1	6.7	8.1	37
9/26/2007	14:00:40	27.4	454	76.4	6.6	8.1	37
9/26/2007	14:30:40	27.4	454	80.4	7.0	8.1	35
9/26/2007	15:00:40	27.3	453	87.6	7.5	8.2	33
9/26/2007	15:30:40	27.4	453	86.5	7.4	8.2	34
9/26/2007	16:00:40	27.6	452	102.4	8.7	8.3	28
9/26/2007	16:30:40	27.6	451	109.4	9.2	8.4	24
9/26/2007	17:00:40	27.3	452	100.5	8.6	8.3	26
9/26/2007	17:30:40	27.1	453	92.7	8.0	8.2	28
9/26/2007	18:00:40	27.0	453	88.2	7.6	8.2	28
9/26/2007	18:30:40	27.0	453	85.9	7.5	8.2	34
9/26/2007	19:00:40	27.0	453	84.4	7.4	8.2	28
9/26/2007	19:30:40	27.0	453	88.1	7.7	8.2	25
9/26/2007	20:00:40	27.1	453	92.1	8.0	8.3	22
9/26/2007	20:30:40	27.1	453	90.2	7.9	8.2	22
9/26/2007	21:00:40	27.2	454	89.7	7.8	8.2	24
9/26/2007	21:30:40	27.2	454	87.9	7.7	8.2	24
9/26/2007	22:00:40	27.1	454	87.3	7.6	8.2	24
9/26/2007	22:30:40	27.1	454	83.8	7.4	8.2	24
9/26/2007	23:00:40	27.0	455	81.1	7.2	8.2	25
9/26/2007	23:30:40	26.9	455	78.5	7.0	8.1	29
9/27/2007	0:00:40	26.8	455	76.6	6.8	8.1	30
9/27/2007	0:30:40	26.7	455	72.2	6.5	8.1	30
9/27/2007	1:00:40	26.7	455	69.8	6.3	8.0	33
9/27/2007	1:30:40	26.6	456	68.8	6.2	8.0	33
9/27/2007	2:00:40	26.6	456	67.9	6.1	8.0	37
9/27/2007	2:30:40	26.6	456	67.7	6.2	8.0	35
9/27/2007	3:00:40	26.5	456	69.9	6.4	8.0	34
9/27/2007	3:30:40	26.5	456	69.9	6.4	8.0	34

Table 12. Physical property data recorded at 30-minute intervals for station 07288280 Big Sunflower River near Merigold, Mississippi, September 24– 27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/27/2007	4:00:40	26.5	456	69.6	6.4	8.1	38
9/27/2007	4:30:40	26.4	456	71.3	6.5	8.1	37
9/27/2007	5:00:40	26.4	456	70.8	6.5	8.1	36
9/27/2007	5:30:40	26.4	456	68.9	6.3	8.0	35
9/27/2007	6:00:40	26.4	456	68.8	6.3	8.0	35
9/27/2007	6:30:40	26.3	456	67.3	6.2	8.0	34
9/27/2007	7:00:40	26.3	457	66.5	6.2	8.0	33
9/27/2007	7:30:40	26.2	456	65.2	6.1	8.0	32
9/27/2007	8:00:40	26.0	454	64.5	6.0	8.0	31
9/27/2007	8:30:40	25.9	454	63.1	5.9	8.0	31
9/27/2007	9:00:40	25.8	454	62.7	5.9	8.0	27
9/27/2007	9:30:40	25.9	453	63.2	5.9	8.0	26
9/27/2007	10:00:40	25.9	453	65.9	6.2	8.0	23
9/27/2007	10:30:40	25.9	454	69.6	6.6	8.0	27
9/27/2007	11:00:40	26.0	454	71.1	6.7	8.0	24
9/27/2007	11:30:40	26.1	455	73.5	6.8	8.0	25
9/27/2007	12:00:40	26.2	457	74.2	6.9	8.0	23
9/27/2007	12:30:40	26.5	458	75.9	7.0	8.0	22
9/27/2007	13:00:40	26.7	460	78	7.1	8.0	22
9/27/2007	13:30:40	26.9	462	78.4	7.2	8.0	22
9/27/2007	14:00:40	27.2	463	81.5	7.4	8.1	21

Table 13. Physical property data recorded at 30-minute intervals for station 07288365 Lead Bayou near Boyle, Mississippi, October 1–3, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/1/2007	16:00:40	24.0	310	29.8	2.5	7.3	130
10/1/2007	16:30:40	24.0	310	30.2	2.5	7.3	130
10/1/2007	17:00:40	24.3	307	33.3	2.8	7.3	120
10/1/2007	17:30:40	24.3	303	33.5	2.8	7.3	120
10/1/2007	18:00:40	24.3	302	33.4	2.8	7.3	120
10/1/2007	18:30:40	24.1	303	31.8	2.7	7.2	120
10/1/2007	19:00:40	24.0	301	32.1	2.7	7.2	110
10/1/2007	19:30:40	24.0	296	33.1	2.8	7.2	120
10/1/2007	20:00:40	23.8	298	31.6	2.7	7.2	120
10/1/2007	20:30:40	23.7	299	32.2	2.7	7.2	120
10/1/2007	21:00:40	23.6	303	35.8	3.0	7.3	110
10/1/2007	21:30:40	23.6	298	33.5	2.8	7.2	110
10/1/2007	22:00:40	23.5	298	31.8	2.7	7.2	120
10/1/2007	22:30:40	23.4	298	30.5	2.6	7.2	110
10/1/2007	23:00:40	23.4	299	29.3	2.5	7.2	120
10/1/2007	23:30:40	23.3	294	28.1	2.4	7.2	120
10/2/2007	0:00:40	23.3	303	26.1	2.2	7.2	120
10/2/2007	0:30:40	23.2	298	28.6	2.4	7.2	120
10/2/2007	1:00:40	23.1	309	24.1	2.1	7.2	120
10/2/2007	1:30:40	23.1	304	25.3	2.2	7.2	120
10/2/2007	2:00:40	23.0	304	26.8	2.3	7.2	120
10/2/2007	2:30:40	23.0	307	26.9	2.3	7.2	120
10/2/2007	3:00:40	22.9	306	27.8	2.4	7.2	120
10/2/2007	3:30:40	22.9	310	28.2	2.4	7.3	120
10/2/2007	4:00:40	22.8	306	29.2	2.5	7.2	110
10/2/2007	4:30:40	22.7	305	28.6	2.5	7.2	120
10/2/2007	5:00:40	22.7	309	28.1	2.4	7.3	120
10/2/2007	5:30:40	22.6	310	27.8	2.4	7.3	120
10/2/2007	6:00:40	22.6	309	28.2	2.4	7.2	120
10/2/2007	6:30:40	22.5	304	28.5	2.5	7.2	120
10/2/2007	7:00:40	22.5	309	27.3	2.4	7.2	120
10/2/2007	7:30:40	22.4	311	28.7	2.5	7.2	110
10/2/2007	8:00:40	22.4	309	27.8	2.4	7.2	120
10/2/2007	8:30:40	22.5	321	27.2	2.4	7.3	130
10/2/2007	9:00:40	22.5	322	27.4	2.4	7.3	130
10/2/2007	9:30:40	22.5	326	25.9	2.2	7.3	150
10/2/2007	10:00:40	22.6	320	28.1	2.4	7.3	130
10/2/2007	10:30:40	22.6	324	25.6	2.2	7.3	130
10/2/2007	11:00:40	22.6	324	25.4	2.2	7.3	130
10/2/2007	11:30:40	23.1	315	29.6	2.5	7.3	130

Table 13. Physical property data recorded at 30-minute intervals for station 07288365 Lead Bayou near Boyle, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/2/2007	12:00:40	22.8	327	25.9	2.2	7.3	120
10/2/2007	12:30:40	22.8	328	28.2	2.4	7.3	120
10/2/2007	13:00:40	23.4	319	32.5	2.8	7.3	120
10/2/2007	13:30:40	22.8	326	31.9	2.7	7.3	120
10/2/2007	14:00:40	24.6	315	45.5	3.8	7.3	110
10/2/2007	14:30:40	24.0	317	38.8	3.3	7.3	110
10/2/2007	15:00:40	24.4	312	43.9	3.7	7.3	110
10/2/2007	15:30:40	24.6	316	40.4	3.4	7.3	100
10/2/2007	16:00:40	24.6	314	41.1	3.4	7.3	100
10/2/2007	16:30:40	24.7	313	41.5	3.4	7.3	110
10/2/2007	17:00:40	24.5	318	41.5	3.5	7.3	110
10/2/2007	17:30:40	24.5	318	39	3.2	7.3	110
10/2/2007	18:00:40	24.5	323	37.7	3.1	7.3	110
10/2/2007	18:30:40	24.5	316	37.4	3.1	7.3	110
10/2/2007	19:00:40	24.3	318	35.3	3.0	7.3	110
10/2/2007	19:30:40	24.2	321	35.9	3.0	7.3	100
10/2/2007	20:00:40	24.0	334	36.6	3.1	7.3	100
10/2/2007	20:30:40	23.8	321	37	3.1	7.3	97
10/2/2007	21:00:40	23.7	318	36.6	3.1	7.3	100
10/2/2007	21:30:40	23.6	326	36.8	3.1	7.3	98
10/2/2007	22:00:40	23.4	317	34.2	2.9	7.3	100
10/2/2007	22:30:40	23.4	318	33.2	2.8	7.3	99
10/2/2007	23:00:40	23.3	323	32.6	2.8	7.3	96
10/2/2007	23:30:40	23.2	325	31.9	2.7	7.3	100
10/3/2007	0:00:40	23.1	324	31.7	2.7	7.3	99
10/3/2007	0:30:40	23.0	327	33.2	2.8	7.3	96
10/3/2007	1:00:40	22.9	328	31.3	2.7	7.3	98
10/3/2007	1:30:40	22.8	338	32.7	2.8	7.3	97
10/3/2007	2:00:40	22.8	328	31.3	2.7	7.3	100
10/3/2007	2:30:40	22.7	325	30.9	2.7	7.3	98
10/3/2007	3:00:40	22.6	334	29.7	2.6	7.3	99
10/3/2007	3:30:40	22.5	335	31.3	2.7	7.3	97
10/3/2007	4:00:40	22.4	328	32.7	2.8	7.3	100
10/3/2007	4:30:40	22.4	332	30.1	2.6	7.3	100
10/3/2007	5:00:40	22.3	333	33.4	2.9	7.3	98
10/3/2007	5:30:40	22.2	334	31.2	2.7	7.3	100
10/3/2007	6:00:40	22.2	336	32.2	2.8	7.3	92
10/3/2007	6:30:40	22.1	343	32.4	2.8	7.3	98
10/3/2007	7:00:40	22.1	336	31.5	2.8	7.3	96
10/3/2007	7:30:40	22.0	336	31.8	2.8	7.3	96

Table 13. Physical property data recorded at 30-minute intervals for station 07288365 Lead Bayou near Boyle, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/3/2007	8:00:40	22.0	338	32.3	2.8	7.3	95
10/3/2007	8:30:40	22.1	337	31.6	2.8	7.3	100
10/3/2007	9:00:40	22.1	337	32.8	2.9	7.3	100
10/3/2007	9:30:40	22.1	343	32.7	2.8	7.3	110
10/3/2007	10:00:40	22.3	341	32.2	2.8	7.3	110
10/3/2007	10:30:40	22.3	348	28.1	2.4	7.3	110
10/3/2007	11:00:40	22.2	351	28.2	2.4	7.3	120
10/3/2007	11:30:40	22.6	342	29.9	2.6	7.3	110
10/3/2007	12:00:40	22.6	350	30.4	2.6	7.3	120
10/3/2007	12:30:40	22.8	347	33.8	2.9	7.3	100
10/3/2007	13:00:40	23.2	343	38	3.2	7.3	110
10/3/2007	13:30:40	23.2	344	37.7	3.2	7.3	130
10/3/2007	14:00:40	23.1	348	34.7	3.0	7.3	110
10/3/2007	14:30:40	22.9	360	29.9	2.6	7.4	110
10/3/2007	15:00:40	23.6	354	34.4	2.9	7.4	110
10/3/2007	15:30:40	24.2	346	40.8	3.4	7.4	110
10/3/2007	16:00:40	24.4	342	42.4	3.5	7.3	100
10/3/2007	16:30:40	24.5	339	44.5	3.7	7.4	99
10/3/2007	17:00:40	24.8	343	48.6	4.0	7.4	88
10/3/2007	17:30:40	24.3	348	44	3.7	7.4	91

Table 14. Physical property data recorded at 30-minute intervals for station 07288600 Quiver River near Moorhead, Mississippi, October 1–3, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/1/2007	17:31:00	25.8	354	99.8	8.1	8.0	--
10/1/2007	18:01:00	25.7	354	99.6	8.1	8.0	--
10/1/2007	18:31:00	25.6	354	98	8.0	8.0	--
10/1/2007	19:01:00	25.5	354	95.8	7.8	8.0	--
10/1/2007	19:31:00	25.4	356	93.8	7.7	7.9	--
10/1/2007	20:01:00	25.3	356	91.8	7.5	7.9	--
10/1/2007	20:31:00	25.2	358	90.4	7.4	7.9	--
10/1/2007	21:01:00	25.2	359	89.1	7.3	7.9	--
10/1/2007	21:31:00	25.1	359	87.9	7.2	7.8	--
10/1/2007	22:01:00	25.1	359	87	7.2	7.8	--
10/1/2007	22:31:00	25.1	359	86.3	7.1	7.8	--
10/1/2007	23:01:00	25.0	358	85.6	7.1	7.8	--
10/1/2007	23:31:00	24.9	357	84.8	7.0	7.8	--
10/2/2007	0:01:00	24.9	357	83.8	6.9	7.8	--
10/2/2007	0:31:00	24.8	357	82.9	6.9	7.8	--
10/2/2007	1:01:00	24.8	357	81.9	6.8	7.8	--
10/2/2007	1:31:00	24.7	357	81.1	6.7	7.8	--
10/2/2007	2:01:00	24.7	357	80.3	6.7	7.8	--
10/2/2007	2:31:00	24.6	357	79.6	6.6	7.8	--
10/2/2007	3:01:00	24.6	357	79	6.6	7.8	--
10/2/2007	3:31:00	24.6	357	78.2	6.5	7.7	--
10/2/2007	4:01:00	24.5	358	77.3	6.4	7.7	--
10/2/2007	4:31:00	24.4	358	76.1	6.3	7.7	--
10/2/2007	5:01:00	24.4	357	75	6.3	7.7	--
10/2/2007	5:31:00	24.3	358	73.7	6.2	7.7	--
10/2/2007	6:01:00	24.3	358	72.7	6.1	7.7	--
10/2/2007	6:31:00	24.2	359	71.6	6.0	7.7	--
10/2/2007	7:01:00	24.2	360	70.6	5.9	7.7	--
10/2/2007	7:31:00	24.2	361	69.8	5.8	7.7	--
10/2/2007	8:01:00	24.1	362	69.2	5.8	7.7	--
10/2/2007	8:31:00	24.2	363	69.9	5.9	7.7	--
10/2/2007	9:01:00	24.2	363	70.2	5.9	7.7	--
10/2/2007	9:31:00	24.2	364	71.4	6.0	7.7	--
10/2/2007	10:01:00	24.3	362	73.1	6.1	7.7	--
10/2/2007	10:31:00	24.3	360	74	6.2	7.7	--
10/2/2007	11:01:00	24.4	360	74.7	6.2	7.8	--
10/2/2007	11:31:00	24.6	354	78.2	6.5	7.8	--
10/2/2007	12:01:00	24.8	346	80.5	6.7	7.8	--
10/2/2007	12:31:00	25.0	335	80.8	6.7	7.8	--
10/2/2007	13:01:00	25.3	328	84.3	6.9	7.8	--

Table 14. Physical property data recorded at 30-minute intervals for station 07288600 Quiver River near Moorhead, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/2/2007	13:31:00	25.2	323	83.8	6.9	7.8	--
10/2/2007	14:01:00	25.5	324	87.6	7.2	7.9	--
10/2/2007	14:31:00	25.7	324	91.4	7.4	7.9	--
10/2/2007	15:01:00	25.8	327	93.9	7.6	8.0	--
10/2/2007	15:31:00	25.9	332	96.5	7.8	8.0	--
10/2/2007	16:01:00	26.2	336	104.5	8.4	8.0	--
10/2/2007	16:31:00	26.3	338	104.8	8.4	8.1	--
10/2/2007	17:01:00	26.6	336	111.6	8.9	8.2	--
10/2/2007	17:31:00	26.4	337	111.7	9.0	8.1	57
10/2/2007	18:01:00	26.4	337	112.1	9.0	8.1	56
10/2/2007	18:31:00	26.4	337	113.1	9.1	8.1	56
10/2/2007	19:01:00	26.4	337	113.8	9.2	8.2	53
10/2/2007	19:31:00	26.2	336	110.5	8.9	8.1	53
10/2/2007	20:01:00	26.0	336	106.9	8.7	8.0	52
10/2/2007	20:31:00	25.8	336	103	8.4	8.0	53
10/2/2007	21:01:00	25.6	337	99.4	8.1	8.0	53
10/2/2007	21:31:00	25.5	338	96	7.9	7.9	55
10/2/2007	22:01:00	25.4	339	93.3	7.7	7.8	56
10/2/2007	22:31:00	25.2	339	90.9	7.5	7.8	57
10/2/2007	23:01:00	25.1	340	88.9	7.3	7.8	58
10/2/2007	23:31:00	25.0	340	87.2	7.2	7.8	59
10/3/2007	0:01:00	25.0	339	86	7.1	7.8	61
10/3/2007	0:31:00	24.9	339	86.2	7.1	7.7	61
10/3/2007	1:01:00	24.9	340	85.3	7.1	7.7	63
10/3/2007	1:31:00	24.8	340	86	7.1	7.7	61
10/3/2007	2:01:00	24.8	340	86.1	7.1	7.7	61
10/3/2007	2:31:00	24.8	340	85.8	7.1	7.7	61
10/3/2007	3:01:00	24.7	340	84.9	7.0	7.7	64
10/3/2007	3:31:00	24.6	340	84.2	7.0	7.7	65
10/3/2007	4:01:00	24.6	340	83.4	6.9	7.7	64
10/3/2007	4:31:00	24.5	339	82.6	6.9	7.7	66
10/3/2007	5:01:00	24.5	340	81.9	6.8	7.7	67
10/3/2007	5:31:00	24.4	340	80.8	6.7	7.7	69
10/3/2007	6:01:00	24.4	340	79.8	6.7	7.6	69
10/3/2007	6:31:00	24.3	339	78.8	6.6	7.6	71
10/3/2007	7:01:00	24.3	339	77.6	6.5	7.6	73
10/3/2007	7:31:00	24.2	339	76.5	6.4	7.6	72
10/3/2007	8:01:00	24.2	339	76	6.4	7.6	72
10/3/2007	8:31:00	24.1	340	75.7	6.3	7.6	71
10/3/2007	9:01:00	24.1	339	76.2	6.4	7.6	69

Table 14. Physical property data recorded at 30-minute intervals for station 07288600 Quiver River near Moorhead, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/3/2007	9:31:00	24.1	339	76.6	6.4	7.6	70
10/3/2007	10:01:00	24.3	340	78.8	6.6	7.6	68
10/3/2007	10:31:00	24.4	339	80.1	6.7	7.6	68
10/3/2007	11:01:00	24.6	338	84.1	7.0	7.7	65
10/3/2007	11:31:00	24.9	337	85.8	7.1	7.7	67
10/3/2007	12:01:00	24.9	336	86.5	7.2	7.7	68
10/3/2007	12:31:00	25.2	335	87.8	7.2	7.8	68
10/3/2007	13:01:00	25.3	334	91.1	7.5	7.8	64
10/3/2007	13:31:00	25.6	333	95.8	7.8	7.9	63
10/3/2007	14:01:00	26.1	333	106	8.6	8.0	61
10/3/2007	14:31:00	26.6	333	113.6	9.1	8.2	58
10/3/2007	15:01:00	27.2	333	121.9	9.7	8.3	56
10/3/2007	15:31:00	27.5	333	126.7	10.0	8.4	53
10/3/2007	16:01:00	27.5	333	128.1	10.1	8.4	53
10/3/2007	16:31:00	27.8	333	134.5	10.6	8.5	50

Table 15. Physical property data recorded at 30-minute intervals for station 07288656 Bogue Phalia near Darlove, Mississippi, October 2–4, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/2/2007	11:01:00	25.8	371	119.8	9.7	8.6	9
10/2/2007	11:31:00	25.9	370	123.3	10.0	8.6	9
10/2/2007	12:01:00	26.1	371	127.2	10.3	8.6	11
10/2/2007	12:31:00	26.6	376	127.2	10.2	8.6	8
10/2/2007	13:01:00	27.0	379	134.5	10.7	8.6	9
10/2/2007	13:31:00	27.5	382	167.3	13.1	8.8	8
10/2/2007	14:01:00	27.7	380	173.6	13.6	8.8	8
10/2/2007	14:31:00	27.7	388	152.4	12.1	8.7	7
10/2/2007	15:01:00	26.9	369	166.4	13.3	8.8	7
10/2/2007	15:31:00	27.3	355	194.6	15.3	9.1	4
10/2/2007	16:01:00	27.4	361	183.3	14.5	9.0	7
10/2/2007	16:31:00	27.2	354	177.5	14.1	9.0	7
10/2/2007	17:01:00	27.5	354	180.7	14.3	9.0	3
10/2/2007	17:31:00	27.6	350	187.1	14.8	9.2	5
10/2/2007	18:01:00	27.5	347	191.2	15.1	9.1	4
10/2/2007	18:31:00	27.6	347	194.7	15.3	9.1	4
10/2/2007	19:01:00	27.9	348	192.8	15.1	9.1	3
10/2/2007	19:31:00	27.8	356	196.7	15.4	9.1	4
10/2/2007	20:01:00	27.8	361	195.1	15.3	9.1	3
10/2/2007	20:31:00	27.6	360	190.7	15.0	9.0	4
10/2/2007	21:01:00	27.7	367	184.3	14.5	8.9	6
10/2/2007	21:31:00	27.6	367	176.6	13.9	8.9	6
10/2/2007	22:01:00	27.5	365	172	13.6	8.9	6
10/2/2007	22:31:00	27.5	366	167.2	13.2	8.8	6
10/2/2007	23:01:00	27.4	367	165.8	13.1	8.8	8
10/2/2007	23:31:00	27.4	367	163	12.9	8.8	9
10/3/2007	0:01:00	27.2	367	160.5	12.7	8.8	8
10/3/2007	0:31:00	27.1	365	158	12.6	8.8	8
10/3/2007	1:01:00	26.9	364	154.2	12.3	8.8	7
10/3/2007	1:31:00	26.8	361	152.4	12.2	8.8	8
10/3/2007	2:01:00	26.7	359	149.9	12.0	8.8	9
10/3/2007	2:31:00	26.6	357	146.5	11.8	8.8	11
10/3/2007	3:01:00	26.4	355	142.9	11.5	8.7	11
10/3/2007	3:31:00	26.3	354	139.4	11.2	8.7	12
10/3/2007	4:01:00	26.2	351	135	10.9	8.7	13
10/3/2007	4:31:00	26.1	349	131.7	10.7	8.6	12
10/3/2007	5:01:00	26.0	348	128.3	10.4	8.6	12
10/3/2007	5:31:00	25.9	347	125.2	10.2	8.6	13
10/3/2007	6:01:00	25.8	346	121.8	9.9	8.6	14
10/3/2007	6:31:00	25.8	346	119.3	9.7	8.6	18

Table 15. Physical property data recorded at 30-minute intervals for station 07288656 Bogue Phalia near Darlove, Mississippi, October 2–4, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/3/2007	7:01:00	25.7	346	118	9.6	8.6	18
10/3/2007	7:31:00	25.6	347	116.2	9.5	8.6	18
10/3/2007	8:01:00	25.6	347	114.5	9.3	8.6	18
10/3/2007	8:31:00	25.6	348	112.1	9.2	8.6	18
10/3/2007	9:01:00	25.5	350	111.6	9.1	8.6	17
10/3/2007	9:31:00	25.5	350	111.3	9.1	8.6	18
10/3/2007	10:01:00	25.4	350	110.9	9.1	8.6	18
10/3/2007	10:31:00	25.7	356	113.6	9.3	8.6	13
10/3/2007	11:01:00	26.1	376	117.9	9.5	8.5	12
10/3/2007	11:31:00	26.3	378	120.5	9.7	8.6	15
10/3/2007	12:01:00	26.5	383	121.8	9.8	8.5	11
10/3/2007	12:31:00	26.7	385	122.2	9.8	8.5	10
10/3/2007	13:01:00	26.7	383	123.9	9.9	8.6	12
10/3/2007	13:31:00	26.3	372	126.2	10.2	8.6	12
10/3/2007	14:01:00	27.4	379	127.2	10.0	8.8	10
10/3/2007	14:31:00	26.6	368	138.6	11.1	8.8	15
10/3/2007	15:01:00	27.7	376	137.9	10.8	8.8	11
10/3/2007	15:31:00	27.9	379	146.6	11.5	8.9	10
10/3/2007	16:01:00	26.6	358	152.5	12.2	8.8	13
10/3/2007	16:31:00	27.0	362	157	12.5	8.8	12
10/3/2007	17:01:00	27.3	361	162.7	12.9	8.9	13
10/3/2007	17:31:00	27.8	376	170.3	13.4	9.0	13
10/3/2007	18:01:00	27.8	377	181.1	14.2	9.0	17
10/3/2007	18:31:00	27.6	376	179.8	14.2	9.0	15
10/3/2007	19:01:00	27.6	384	176.7	13.9	8.9	13
10/3/2007	19:31:00	27.2	368	174.5	13.8	8.9	16
10/3/2007	20:01:00	27.2	369	172.6	13.7	8.9	13
10/3/2007	20:31:00	27.1	375	167.3	13.3	8.8	11
10/3/2007	21:01:00	27.1	378	165.1	13.1	8.8	11
10/3/2007	21:31:00	27.0	374	161.6	12.9	8.8	11
10/3/2007	22:01:00	26.9	369	158.7	12.7	8.8	11
10/3/2007	22:31:00	26.8	371	155.5	12.4	8.8	13
10/3/2007	23:01:00	26.8	379	152.2	12.2	8.7	11
10/3/2007	23:31:00	26.6	375	148.2	11.9	8.7	13
10/4/2007	0:01:00	26.6	377	145.1	11.6	8.7	13
10/4/2007	0:31:00	26.5	379	141.3	11.3	8.6	14
10/4/2007	1:01:00	26.5	381	138.2	11.1	8.6	13
10/4/2007	1:31:00	26.4	379	135.5	10.9	8.6	13
10/4/2007	2:01:00	26.4	376	131	10.6	8.6	17
10/4/2007	2:31:00	26.3	376	128.9	10.4	8.6	15

Table 15. Physical property data recorded at 30-minute intervals for station 07288656 Bogue Phalia near Darlove, Mississippi, October 2–4, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/4/2007	3:01:00	26.2	373	125.9	10.2	8.6	17
10/4/2007	3:31:00	26.2	373	123.2	9.9	8.6	16
10/4/2007	4:01:00	26.2	373	120.6	9.7	8.5	18
10/4/2007	4:31:00	26.1	372	115.7	9.3	8.5	17
10/4/2007	5:01:00	26.1	372	116.5	9.4	8.5	16
10/4/2007	5:31:00	26.1	371	114.2	9.2	8.5	18
10/4/2007	6:01:00	26.0	369	112.1	9.1	8.5	22
10/4/2007	6:31:00	26.0	369	110.9	9.0	8.5	22
10/4/2007	7:01:00	26.0	369	109.3	8.9	8.5	20
10/4/2007	7:31:00	25.9	369	107.5	8.7	8.4	20
10/4/2007	8:01:00	25.9	369	105.2	8.6	8.4	19
10/4/2007	8:31:00	25.9	369	103.8	8.4	8.4	19
10/4/2007	9:01:00	25.9	368	104.1	8.5	8.5	21
10/4/2007	9:31:00	25.9	368	105.8	8.6	8.5	18

Table 16. Physical property data recorded at 30-minute intervals for station 07288792 Deer Creek northeast of Valley Park, Mississippi, September —Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/10/2007	10:31:00	29.1	102	52.2	4.0	6.8	--
9/10/2007	11:01:00	29.2	97	54.3	4.2	6.8	13
9/10/2007	11:31:00	29.3	98	54.8	4.2	6.8	12
9/10/2007	12:01:00	29.4	99	56.5	4.3	6.8	12
9/10/2007	12:31:00	29.4	97	55.9	4.3	6.9	11
9/10/2007	13:01:00	29.7	97	70.7	5.4	6.8	9
9/10/2007	13:31:00	29.8	100	49.3	3.9	6.8	10
9/10/2007	14:01:00	29.8	98	66.5	5.0	6.9	8
9/10/2007	14:31:00	29.9	98	70.6	5.3	6.8	4
9/10/2007	15:01:00	29.7	99	58.4	4.4	6.8	9
9/10/2007	15:31:00	29.8	99	54.9	4.2	6.8	10
9/10/2007	16:01:00	30.0	98	67.2	5.1	6.8	10
9/10/2007	16:31:00	30.1	97	75.3	5.7	7.0	11
9/10/2007	17:01:00	30.2	98	87.8	6.6	6.9	10
9/10/2007	17:31:00	30.3	98	97.8	7.3	7.0	10
9/10/2007	18:01:00	30.5	99	82.9	6.2	7.0	5
9/10/2007	18:31:00	30.4	101	81	6.1	6.8	7
9/10/2007	19:01:00	30.3	99	73.8	5.5	7.0	3
9/10/2007	19:31:00	30.2	98	101.8	7.6	7.1	6
9/10/2007	20:01:00	30.2	98	106.5	8.0	7.2	7
9/10/2007	20:31:00	30.2	98	108.4	8.2	7.1	7
9/10/2007	21:01:00	30.1	98	102.9	7.8	7.3	7
9/10/2007	21:31:00	30.1	98	98.5	7.4	7.2	8
9/10/2007	22:01:00	30.0	98	96.2	7.3	7.1	7
9/10/2007	22:31:00	30.0	98	87.6	6.6	7.1	8
9/10/2007	23:01:00	30.0	98	88.3	6.7	7.1	9
9/10/2007	23:31:00	29.8	98	82.4	6.2	7.1	9
9/11/2007	0:01:00	29.8	98	78.2	5.9	7.1	10
9/11/2007	0:31:00	29.7	98	72.5	5.5	7.0	11
9/11/2007	1:01:00	29.6	98	73.3	5.6	7.0	11
9/11/2007	1:31:00	29.5	98	65.8	5.0	7.0	11
9/11/2007	2:01:00	29.5	98	68.3	5.2	7.0	11
9/11/2007	2:31:00	29.4	98	63.3	4.8	6.9	8
9/11/2007	3:01:00	29.4	98	62.2	4.8	6.9	11
9/11/2007	3:31:00	29.3	98	60.7	4.6	6.9	12
9/11/2007	4:01:00	29.4	98	58.6	4.5	6.9	12
9/11/2007	4:31:00	29.3	98	58.2	4.4	6.9	12
9/11/2007	5:01:00	29.2	98	57.1	4.4	6.9	10
9/11/2007	5:31:00	29.2	98	56	4.3	6.9	10
9/11/2007	6:01:00	29.1	98	55.7	4.3	6.9	11

Table 16. Physical property data recorded at 30-minute intervals for station 07288792 Deer Creek northeast of Valley Park, Mississippi, September 10–14, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/11/2007	6:31:00	29.1	98	52.8	4.1	6.9	10
9/11/2007	7:01:00	29.1	98	50.9	3.9	6.9	10
9/11/2007	7:31:00	29.1	98	51.6	4.0	6.9	13
9/11/2007	8:01:00	29.0	98	49	3.8	6.8	12
9/11/2007	8:31:00	29.0	98	46.4	3.6	6.8	10
9/11/2007	9:01:00	29.0	98	46.5	3.6	6.8	8
9/11/2007	9:31:00	29.1	97	56.5	4.3	6.9	12
9/11/2007	10:01:00	29.3	97	53.6	4.1	6.8	10
9/11/2007	10:31:00	29.5	97	53.4	4.1	6.8	7
9/11/2007	11:01:00	29.8	97	69.6	5.3	6.9	6
9/11/2007	11:31:00	29.8	97	74.9	5.7	7.0	10
9/11/2007	12:01:00	29.7	97	74.3	5.6	7.0	12
9/11/2007	12:31:00	29.7	98	69.1	5.2	6.9	11
9/11/2007	13:01:00	29.8	97	79.2	6.0	7.0	9
9/11/2007	13:31:00	29.8	98	73	5.5	6.9	8
9/11/2007	14:01:00	30.0	97	75.7	5.7	6.9	8
9/11/2007	14:31:00	30.1	98	99.9	7.4	7.0	9
9/11/2007	15:01:00	30.1	98	103.4	7.8	7.2	9
9/11/2007	15:31:00	30.1	98	102.9	7.8	7.2	9
9/11/2007	16:01:00	30.0	98	93.9	7.1	6.9	10
9/11/2007	16:31:00	29.9	98	92.8	7.0	7.2	12
9/11/2007	17:01:00	29.9	98	88.3	6.7	7.1	10
9/11/2007	17:31:00	29.8	98	85.3	6.5	7.1	11
9/11/2007	18:01:00	29.8	98	86.5	6.6	7.0	12
9/11/2007	18:31:00	29.7	98	81.2	6.2	7.0	12
9/11/2007	19:01:00	29.6	98	83.6	6.4	7.0	12
9/11/2007	19:31:00	29.5	98	84.4	6.4	7.0	13
9/11/2007	20:01:00	29.5	98	82.1	6.3	7.1	14
9/11/2007	20:31:00	29.4	98	75.5	5.8	7.0	12
9/11/2007	21:01:00	29.3	98	77.1	5.9	7.0	12
9/11/2007	21:31:00	29.2	98	74.6	5.7	7.0	11
9/11/2007	22:01:00	29.2	98	73.2	5.6	7.0	12
9/11/2007	22:31:00	29.1	98	69.1	5.3	7.0	12
9/11/2007	23:01:00	29.1	98	67.7	5.2	7.0	14
9/11/2007	23:31:00	29.0	98	68.1	5.2	6.9	15
9/12/2007	0:01:00	28.9	98	62.9	4.9	7.0	14
9/12/2007	0:31:00	28.9	98	63	4.8	6.9	14
9/12/2007	1:01:00	28.8	98	59.7	4.6	7.0	13
9/12/2007	1:31:00	28.8	98	57.1	4.4	6.9	14
9/12/2007	2:01:00	28.7	98	53.5	4.1	6.9	12

Table 16. Physical property data recorded at 30-minute intervals for station 07288792 Deer Creek northeast of Valley Park, Mississippi, September 10–14, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/12/2007	2:31:00	28.7	98	59.1	4.6	6.9	13
9/12/2007	3:01:00	28.6	98	55.2	4.3	7.0	13
9/12/2007	3:31:00	28.5	98	51.8	4.0	6.9	12
9/12/2007	4:01:00	28.4	98	47.8	3.7	6.9	13
9/12/2007	4:31:00	28.4	98	46.8	3.6	6.9	13
9/12/2007	5:01:00	28.3	98	45.2	3.5	6.8	13
9/12/2007	5:31:00	28.2	98	39.7	3.1	6.9	12
9/12/2007	6:01:00	28.2	98	41	3.2	6.9	12
9/12/2007	6:31:00	28.1	98	46.4	3.6	6.9	13
9/12/2007	7:01:00	28.1	98	41.5	3.2	6.9	12
9/12/2007	7:31:00	28.0	98	39.6	3.1	6.9	13
9/12/2007	8:01:00	28.0	98	40.9	3.2	6.8	12
9/12/2007	8:31:00	27.9	98	41.4	3.2	6.9	12
9/12/2007	9:01:00	27.9	98	39	3.0	6.9	12
9/12/2007	9:31:00	27.9	98	41.3	3.2	6.8	12
9/12/2007	10:01:00	27.9	98	40.5	3.2	6.9	10
9/12/2007	10:31:00	27.8	98	37.4	2.9	6.8	11
9/12/2007	11:01:00	27.8	98	42.9	3.4	6.9	12
9/12/2007	11:31:00	27.8	98	45.9	3.6	6.9	12
9/12/2007	12:01:00	27.8	98	43.9	3.4	6.9	11
9/12/2007	12:31:00	27.8	98	47.6	3.7	6.9	12
9/12/2007	13:01:00	27.8	97	49.6	3.9	6.9	12
9/12/2007	13:31:00	27.8	98	54.3	4.3	6.8	14
9/12/2007	14:01:00	27.8	97	55.5	4.3	6.9	14
9/12/2007	14:31:00	27.9	97	55.9	4.4	6.9	14
9/12/2007	15:01:00	28.0	97	63.6	5.0	6.9	16
9/12/2007	15:31:00	28.2	97	47.9	3.7	6.9	11
9/12/2007	16:01:00	28.1	98	54	4.2	6.9	15
9/12/2007	16:31:00	28.1	97	52.1	4.1	6.8	13
9/12/2007	17:01:00	28.0	99	50.7	4.0	6.8	13
9/12/2007	17:31:00	28.0	98	47.7	3.7	6.9	14
9/12/2007	18:01:00	27.9	98	41.2	3.2	6.8	11
9/12/2007	18:31:00	27.9	97	42.7	3.4	6.8	15
9/12/2007	19:01:00	27.8	98	31.5	2.5	6.8	19
9/12/2007	19:31:00	27.8	98	25.7	2.0	6.8	22
9/12/2007	20:01:00	27.7	99	21.2	1.7	6.8	24
9/12/2007	20:31:00	27.7	98	17.3	1.4	6.8	24
9/12/2007	21:01:00	27.6	99	19.1	1.5	6.8	25
9/12/2007	21:31:00	27.6	98	21.8	1.7	6.8	21
9/12/2007	22:01:00	27.6	98	25.4	2.0	6.8	20

Table 16. Physical property data recorded at 30-minute intervals for station 07288792 Deer Creek northeast of Valley Park, Mississippi, September 10–14, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/12/2007	22:31:00	27.6	98	27	2.1	6.8	19
9/12/2007	23:01:00	27.5	98	23.6	1.9	6.8	19
9/12/2007	23:31:00	27.5	98	24.9	2.0	6.8	18
9/13/2007	0:01:00	27.5	98	26.3	2.1	6.8	17
9/13/2007	0:31:00	27.4	99	23.9	1.9	6.8	18
9/13/2007	1:01:00	27.4	99	24.3	1.9	6.8	18
9/13/2007	1:31:00	27.3	99	24.4	1.9	6.8	16
9/13/2007	2:01:00	27.4	99	25	2.0	6.8	19
9/13/2007	2:31:00	27.3	99	20.9	1.6	6.8	16
9/13/2007	3:01:00	27.3	99	21.1	1.7	6.8	15
9/13/2007	3:31:00	27.2	99	22.8	1.8	6.8	18
9/13/2007	4:01:00	27.2	99	27.5	2.2	6.8	16
9/13/2007	4:31:00	27.2	99	17.1	1.4	6.8	14
9/13/2007	5:01:00	27.1	99	17.4	1.4	6.8	14
9/13/2007	5:31:00	27.1	99	20.6	1.6	6.8	13
9/13/2007	6:01:00	27.1	99	20.4	1.6	6.8	16
9/13/2007	6:31:00	27.1	99	18.7	1.5	6.8	14
9/13/2007	7:01:00	27.0	99	16.7	1.3	6.8	13
9/13/2007	7:31:00	27.0	99	17.3	1.4	6.8	14
9/13/2007	8:01:00	27.0	99	16.9	1.4	6.8	14
9/13/2007	8:31:00	27.0	100	14.4	1.1	6.8	13
9/13/2007	9:01:00	27.0	99	18.1	1.4	6.8	14
9/13/2007	9:31:00	27.1	99	19.9	1.6	6.8	17
9/13/2007	10:01:00	27.1	99	20.5	1.6	6.8	14
9/13/2007	10:31:00	27.2	99	17.2	1.4	6.8	13
9/13/2007	11:01:00	27.2	99	15.8	1.3	6.8	13
9/13/2007	11:31:00	27.2	101	17.5	1.4	6.8	14
9/13/2007	12:01:00	27.2	101	11.7	0.9	6.8	13
9/13/2007	12:31:00	27.1	101	23.2	1.8	6.8	13
9/13/2007	13:01:00	27.0	98	25.3	2.0	6.8	14
9/13/2007	13:31:00	27.0	98	28.1	2.2	6.8	18
9/13/2007	14:01:00	27.0	98	29.9	2.4	6.8	15
9/13/2007	14:31:00	27.0	97	33.9	2.7	6.8	15
9/13/2007	15:01:00	27.0	97	31.7	2.5	6.8	17
9/13/2007	15:31:00	27.0	97	33.7	2.7	6.8	17
9/13/2007	16:01:00	26.9	97	37.1	3.0	6.8	17
9/13/2007	16:31:00	26.9	97	33.1	2.6	6.8	16
9/13/2007	17:01:00	26.9	97	32.5	2.6	6.8	15
9/13/2007	17:31:00	26.8	96	41.8	3.3	6.9	15
9/13/2007	18:01:00	26.8	96	37.5	3.0	6.9	14

Table 16. Physical property data recorded at 30-minute intervals for station 07288792 Deer Creek northeast of Valley Park, Mississippi, September 10–14, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/13/2007	18:31:00	26.7	96	37.2	3.0	6.9	13
9/13/2007	19:01:00	26.7	96	36.8	2.9	6.9	13
9/13/2007	19:31:00	26.7	96	39.3	3.1	6.9	12
9/13/2007	20:01:00	26.6	96	40.1	3.2	6.9	15
9/13/2007	20:31:00	26.5	96	39	3.1	6.9	14
9/13/2007	21:01:00	26.5	96	39.5	3.2	6.9	16
9/13/2007	21:31:00	26.5	96	41.8	3.4	6.9	19
9/13/2007	22:01:00	26.4	96	37.9	3.0	6.9	17
9/13/2007	22:31:00	26.4	95	41.8	3.4	6.9	16
9/13/2007	23:01:00	26.3	95	41.9	3.4	6.9	16
9/13/2007	23:31:00	26.3	95	46.2	3.7	6.9	18
9/14/2007	0:01:00	26.3	95	44.2	3.6	6.9	17
9/14/2007	0:31:00	26.2	95	44.6	3.6	6.9	18
9/14/2007	1:01:00	26.2	95	39.5	3.2	6.9	18
9/14/2007	1:31:00	26.2	95	37.3	3.0	6.9	19
9/14/2007	2:01:00	26.1	95	37.6	3.0	6.9	17
9/14/2007	2:31:00	26.1	95	36.5	3.0	6.9	19
9/14/2007	3:01:00	26.1	95	31.7	2.6	6.9	17
9/14/2007	3:31:00	26.1	95	35.3	2.9	6.9	18
9/14/2007	4:01:00	26.1	95	30.7	2.5	6.9	17
9/14/2007	4:31:00	26.1	95	29.5	2.4	6.9	18
9/14/2007	5:01:00	26.0	95	32.2	2.6	6.9	17
9/14/2007	5:31:00	26.0	95	29.8	2.4	6.9	18
9/14/2007	6:01:00	26.0	95	34.3	2.8	6.9	18
9/14/2007	6:31:00	26.0	95	29.5	2.4	6.9	17
9/14/2007	7:01:00	26.0	95	34.7	2.8	6.9	20
9/14/2007	7:31:00	26.0	95	29.6	2.4	6.9	20
9/14/2007	8:01:00	25.9	95	35.1	2.8	6.9	21
9/14/2007	8:31:00	25.9	95	28.5	2.3	6.8	20
9/14/2007	9:01:00	25.9	95	35.7	2.9	6.9	20
9/14/2007	9:31:00	26.0	95	33.5	2.7	6.9	21

Table 17. Physical property data recorded at 30-minute intervals for station 325901090465500 Jaynes Bayou at Mouth near Anguilla, Mississippi, September 10–13, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/10/2007	13:01:00	28.1	594	79.4	5.6	7.4	--
9/10/2007	13:31:00	29.6	590	90	6.2	7.4	--
9/10/2007	14:01:00	28.5	597	88	6.2	7.4	--
9/10/2007	14:31:00	29.0	596	87.8	6.2	7.4	--
9/10/2007	15:01:00	29.2	596	102.2	7.3	7.4	--
9/10/2007	15:31:00	29.3	598	105.9	7.6	7.4	--
9/10/2007	16:01:00	29.7	596	106.8	7.6	7.4	--
9/10/2007	16:31:00	29.4	599	102.9	7.3	7.4	--
9/10/2007	17:01:00	29.6	599	100.9	7.2	7.4	--
9/10/2007	17:31:00	29.6	601	102.3	7.3	7.4	--
9/10/2007	18:01:00	29.6	602	101.1	7.2	7.4	--
9/10/2007	18:31:00	29.6	601	100.7	7.2	7.4	--
9/10/2007	19:01:00	29.3	602	95.2	6.8	7.4	--
9/10/2007	19:31:00	29.3	601	93.1	6.6	7.4	--
9/10/2007	20:01:00	29.1	601	93.1	6.7	7.4	--
9/10/2007	20:31:00	29.0	601	89.9	6.5	7.3	--
9/10/2007	21:01:00	28.8	600	87.1	6.3	7.4	--
9/10/2007	21:31:00	28.6	598	86.8	6.3	7.4	--
9/10/2007	22:01:00	28.4	600	82.9	6.0	7.3	--
9/10/2007	22:31:00	28.2	599	82.2	6.0	7.4	--
9/10/2007	23:01:00	28.1	598	80.4	5.9	7.4	--
9/10/2007	23:31:00	27.5	592	69.1	5.0	7.3	--
9/11/2007	0:01:00	28.2	541	86.5	6.3	7.6	--
9/11/2007	0:31:00	28.2	530	92	6.9	7.7	--
9/11/2007	1:01:00	28.1	525	92.7	6.9	7.7	--
9/11/2007	1:31:00	27.8	512	87.4	6.6	7.7	--
9/11/2007	2:01:00	27.3	488	80.5	6.1	7.8	--
9/11/2007	2:31:00	27.1	475	76.8	5.8	7.9	--
9/11/2007	3:01:00	27.0	482	75	5.7	8.0	--
9/11/2007	3:31:00	27.0	497	73.9	5.6	8.0	--
9/11/2007	4:01:00	26.9	512	72.7	5.5	8.0	--
9/11/2007	4:31:00	26.9	525	71.8	5.4	8.0	--
9/11/2007	5:01:00	26.8	535	71.1	5.4	8.0	--
9/11/2007	5:31:00	26.7	546	70.5	5.4	8.0	--
9/11/2007	6:01:00	26.5	554	70.1	5.4	8.0	--
9/11/2007	6:31:00	26.4	563	69.4	5.4	8.0	--
9/11/2007	7:01:00	26.3	571	69	5.4	8.0	--
9/11/2007	7:31:00	26.2	580	68.7	5.3	7.9	--
9/11/2007	8:01:00	26.1	587	68.6	5.3	7.9	--
9/11/2007	8:31:00	26.1	593	68.9	5.4	7.9	--

Table 17. Physical property data recorded at 30-minute intervals for station 325901090465500 Jaynes Bayou at Mouth near Anguilla, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/11/2007	9:01:00	26.1	598	70.1	5.5	7.9	--
9/11/2007	9:31:00	26.2	600	71.7	5.6	7.9	--
9/11/2007	10:01:00	26.2	603	73.7	5.8	7.9	--
9/11/2007	10:31:00	26.2	607	75.6	6.0	7.9	--
9/11/2007	11:01:00	26.2	608	76.6	6.1	8.0	--
9/11/2007	11:31:00	26.2	610	76.9	6.1	8.0	--
9/11/2007	12:01:00	26.2	613	78.1	6.2	8.0	--
9/11/2007	12:31:00	26.3	616	79.6	6.3	8.0	--
9/11/2007	13:01:00	26.5	616	82.5	6.5	8.0	--
9/11/2007	13:31:00	26.6	618	85.8	6.8	8.0	--
9/11/2007	14:01:00	26.7	620	90.7	7.2	8.0	--
9/11/2007	14:31:00	26.8	622	93.4	7.4	8.0	--
9/11/2007	15:01:00	26.9	623	97.6	7.8	8.1	--
9/11/2007	15:31:00	27.0	625	100.3	8.0	8.1	--
9/11/2007	16:01:00	27.0	626	100.9	8.0	8.1	--
9/11/2007	16:31:00	27.1	627	103	8.2	8.1	--
9/11/2007	17:01:00	27.1	628	103.6	8.2	8.1	--
9/11/2007	17:31:00	27.0	628	103.9	8.3	8.1	--
9/11/2007	18:01:00	27.0	629	103	8.2	8.1	--
9/11/2007	18:31:00	26.8	630	102	8.1	8.1	--
9/11/2007	19:01:00	26.7	630	100.9	8.1	8.1	--
9/11/2007	19:31:00	26.6	631	99	8.0	8.1	--
9/11/2007	20:01:00	26.4	631	97	7.9	8.1	--
9/11/2007	20:31:00	26.3	631	95.3	7.8	8.1	--
9/11/2007	21:01:00	26.2	629	93.5	7.6	8.1	--
9/11/2007	21:31:00	26.0	628	91.9	7.5	8.1	--
9/11/2007	22:01:00	25.9	628	89.9	7.4	8.1	--
9/11/2007	22:31:00	25.8	627	88.4	7.3	8.1	--
9/11/2007	23:01:00	25.7	626	86.4	7.1	8.1	--
9/11/2007	23:31:00	25.6	626	85.1	7.0	8.1	--
9/12/2007	0:01:00	25.5	626	83.3	6.9	8.1	--
9/12/2007	0:31:00	25.4	625	82.2	6.9	8.0	--
9/12/2007	1:01:00	25.2	622	81	6.8	8.0	--
9/12/2007	1:31:00	25.1	622	80.2	6.8	8.0	--
9/12/2007	2:01:00	25.0	620	79.5	6.8	8.0	--
9/12/2007	2:31:00	24.8	619	78.6	6.7	8.0	--
9/12/2007	3:01:00	24.7	618	77.7	6.6	8.0	--
9/12/2007	3:31:00	24.6	616	77.2	6.6	8.0	--
9/12/2007	4:01:00	24.5	616	76.4	6.6	8.0	--
9/12/2007	4:31:00	24.4	613	74.8	6.4	8.0	--

Table 17. Physical property data recorded at 30-minute intervals for station 325901090465500 Jaynes Bayou at Mouth near Anguilla, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/12/2007	5:01:00	24.2	613	74.4	6.5	8.0	--
9/12/2007	5:31:00	24.1	611	73.8	6.5	8.0	--
9/12/2007	6:01:00	24.0	610	73.1	6.4	8.0	--
9/12/2007	6:31:00	23.9	609	72	6.4	8.0	--
9/12/2007	7:01:00	23.9	608	71.6	6.3	7.9	--
9/12/2007	7:31:00	23.8	607	71.3	6.3	7.9	--
9/12/2007	8:01:00	23.7	605	71.1	6.3	7.9	--
9/12/2007	8:31:00	23.7	604	70.5	6.3	7.9	--
9/12/2007	9:01:00	23.7	604	69.7	6.2	7.9	--
9/12/2007	9:31:00	23.6	603	71.1	6.3	7.9	--
9/12/2007	10:01:00	23.7	602	70.2	6.3	7.8	--
9/12/2007	10:31:00	23.8	600	71.1	6.4	7.8	--
9/12/2007	11:01:00	23.9	598	73.3	6.6	7.9	--
9/12/2007	11:31:00	24.0	597	75.7	6.8	7.8	7
9/12/2007	12:01:00	24.3	591	79.1	7.0	7.9	10
9/12/2007	12:31:00	24.8	588	85.2	7.5	7.9	12
9/12/2007	13:01:00	25.1	587	89.4	7.8	7.9	15
9/12/2007	13:31:00	25.7	583	92.5	7.9	7.9	15
9/12/2007	14:01:00	25.8	582	97.8	8.4	8.0	16
9/12/2007	14:31:00	25.9	583	100.4	8.6	8.0	18
9/12/2007	15:01:00	26.1	580	101.1	8.7	8.0	16
9/12/2007	15:31:00	26.4	575	108	9.2	8.0	16
9/12/2007	16:01:00	26.5	574	108.3	9.2	8.0	14
9/12/2007	16:31:00	26.5	574	109.6	9.3	8.0	17
9/12/2007	17:01:00	26.6	570	111.8	9.4	8.0	16
9/12/2007	17:31:00	26.6	570	109.8	9.3	8.0	18
9/12/2007	18:01:00	26.7	570	108.6	9.2	8.0	16
9/12/2007	18:31:00	26.6	570	106.9	9.1	8.0	17
9/12/2007	19:01:00	26.7	567	105.5	8.9	8.0	14
9/12/2007	19:31:00	26.6	562	105.1	9.0	8.0	12
9/12/2007	20:01:00	26.5	563	100.8	8.7	8.0	10
9/12/2007	20:31:00	26.5	564	99.1	8.6	8.0	9
9/12/2007	21:01:00	26.4	566	95.6	8.3	7.9	9
9/12/2007	21:31:00	26.2	567	92.5	8.1	7.9	7
9/12/2007	22:01:00	26.2	567	89.7	7.8	7.9	7
9/12/2007	22:31:00	26.0	567	87.9	7.7	7.9	8
9/12/2007	23:01:00	26.0	568	84.4	7.4	7.8	7
9/12/2007	23:31:00	25.9	566	81.4	7.2	7.8	7
9/13/2007	0:01:00	25.9	570	79.3	7.1	7.7	9
9/13/2007	0:31:00	25.8	569	78.6	7.1	7.7	6

Table 17. Physical property data recorded at 30-minute intervals for station 325901090465500 Jaynes Bayou at Mouth near Anguilla, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/13/2007	1:01:00	25.7	569	74.4	6.8	7.7	5
9/13/2007	1:31:00	25.6	568	74.6	6.8	7.7	6
9/13/2007	2:01:00	25.6	568	70.9	6.5	7.7	6
9/13/2007	2:31:00	25.5	567	68.8	6.3	7.7	8
9/13/2007	3:01:00	25.4	567	66.7	6.2	7.7	10
9/13/2007	3:31:00	25.3	566	67.6	6.2	7.7	7
9/13/2007	4:01:00	25.2	568	65.2	6.1	7.6	8
9/13/2007	4:31:00	25.1	569	62.5	5.8	7.6	8
9/13/2007	5:01:00	25.0	569	61.9	5.9	7.6	13
9/13/2007	5:31:00	24.9	567	60.6	5.8	7.6	17
9/13/2007	6:01:00	24.9	566	58.2	5.6	7.6	13
9/13/2007	6:31:00	24.8	573	54.4	5.2	7.5	22
9/13/2007	7:01:00	24.7	571	55.1	5.3	7.5	17
9/13/2007	7:31:00	24.6	571	54.5	5.2	7.5	15
9/13/2007	8:01:00	24.6	573	52.6	5.1	7.5	15
9/13/2007	8:31:00	24.6	574	50.8	4.9	7.5	15
9/13/2007	9:01:00	24.5	575	49.5	4.8	7.5	14
9/13/2007	9:31:00	24.5	575	50.1	4.9	7.4	15
9/13/2007	10:01:00	24.5	574	50.5	4.9	7.4	13
9/13/2007	10:31:00	24.5	575	50.7	4.9	7.4	10
9/13/2007	11:01:00	24.6	575	50.2	4.9	7.4	17
9/13/2007	11:31:00	24.7	575	52.4	5.2	7.4	11
9/13/2007	12:01:00	24.8	577	50.7	5.0	7.4	13
9/13/2007	12:31:00	24.8	574	51.4	5.0	7.4	10
9/13/2007	13:01:00	24.9	572	49.6	4.9	7.4	9
9/13/2007	13:31:00	25.0	568	55.1	5.4	7.4	10
9/13/2007	14:01:00	25.0	566	56.6	5.6	7.4	9
9/13/2007	14:31:00	24.9	555	56.6	5.6	7.4	19
9/13/2007	15:01:00	24.9	537	67.7	6.6	7.5	23
9/13/2007	15:31:00	24.8	522	72.9	7.0	7.5	19
9/13/2007	16:01:00	24.7	507	71.2	6.9	7.4	37
9/13/2007	16:31:00	24.7	493	68.8	6.7	7.4	--

Table 18. Physical property data recorded at 30-minute intervals for station 330730090431300 Murphy Bayou at Murphy, Mississippi, September 10–13, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/10/2007	15:00:40	27.0	288	22	1.8	7.3	25
9/10/2007	15:30:40	27.0	289	21.6	1.7	7.3	27
9/10/2007	16:00:40	27.0	288	20	1.6	7.3	27
9/10/2007	16:30:40	27.1	287	22.8	1.8	7.3	24
9/10/2007	17:00:40	27.1	288	22.1	1.8	7.3	22
9/10/2007	17:30:40	27.0	288	19.9	1.6	7.3	22
9/10/2007	18:00:40	27.2	287	22.3	1.8	7.3	22
9/10/2007	18:30:40	27.2	288	22.4	1.9	7.3	23
9/10/2007	19:00:40	27.2	287	21	1.8	7.3	26
9/10/2007	19:30:40	27.3	287	20	1.7	7.3	28
9/10/2007	20:00:40	27.3	287	19.8	1.7	7.3	26
9/10/2007	20:30:40	27.3	287	19.6	1.6	7.3	27
9/10/2007	21:00:40	27.3	288	22.9	1.9	7.4	27
9/10/2007	21:30:40	27.4	287	23.5	2.0	7.3	28
9/10/2007	22:00:40	27.3	286	20.5	1.7	7.3	25
9/10/2007	22:30:40	27.3	286	35.4	3.0	7.4	26
9/10/2007	23:00:40	27.2	286	32	2.7	7.4	27
9/10/2007	23:30:40	27.1	286	26.8	2.3	7.4	28
9/11/2007	0:00:40	27.0	285	26.4	2.3	7.4	28
9/11/2007	0:30:40	27.0	285	26.9	2.3	7.4	27
9/11/2007	1:00:40	27.0	285	27.3	2.4	7.4	24
9/11/2007	1:30:40	26.9	285	26.5	2.3	7.4	26
9/11/2007	2:00:40	26.8	285	25.1	2.2	7.4	26
9/11/2007	2:30:40	26.8	284	22.1	2.0	7.4	26
9/11/2007	3:00:40	26.7	285	21.3	1.9	7.3	26
9/11/2007	3:30:40	26.7	284	21.9	2.0	7.4	25
9/11/2007	4:00:40	26.6	285	20.8	1.9	7.3	23
9/11/2007	4:30:40	26.6	284	20.4	1.8	7.3	22
9/11/2007	5:00:40	26.6	284	20	1.8	7.3	21
9/11/2007	5:30:40	26.5	284	19.3	1.8	7.3	21
9/11/2007	6:00:40	26.5	284	17.4	1.6	7.3	21
9/11/2007	6:30:40	26.4	284	18.1	1.7	7.3	21
9/11/2007	7:00:40	26.4	284	16.8	1.6	7.3	20
9/11/2007	7:30:40	26.4	283	16.8	1.6	7.3	21
9/11/2007	8:00:40	26.4	283	16.6	1.5	7.3	19
9/11/2007	8:30:40	26.4	284	16.5	1.5	7.3	19
9/11/2007	9:00:40	26.4	283	16.9	1.6	7.3	19
9/11/2007	9:30:40	26.4	282	15.5	1.4	7.3	18
9/11/2007	10:00:40	26.3	282	16.6	1.5	7.3	20
9/11/2007	10:30:40	26.3	282	16.7	1.6	7.3	18

Table 18. Physical property data recorded at 30-minute intervals for station 330730090431300 Murphy Bayou at Murphy, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/11/2007	11:00:40	26.3	282	16.5	1.5	7.3	18
9/11/2007	11:30:40	26.3	282	16.8	1.6	7.3	16
9/11/2007	12:00:40	26.4	281	15.8	1.5	7.3	16
9/11/2007	12:30:40	26.4	281	15.1	1.4	7.3	16
9/11/2007	13:00:40	26.4	281	16.5	1.5	7.3	16
9/11/2007	13:30:40	26.4	281	16.6	1.6	7.3	15
9/11/2007	14:00:40	26.4	281	19.5	1.9	7.3	15
9/11/2007	14:30:40	26.4	280	23.7	2.3	7.4	14
9/11/2007	15:00:40	26.4	280	23	2.2	7.4	15
9/11/2007	15:30:40	26.4	280	19.3	1.8	7.4	14
9/11/2007	16:00:40	26.4	280	21.7	2.1	7.4	14
9/11/2007	16:30:40	26.4	280	20.7	2.1	7.4	14
9/11/2007	17:00:40	26.3	280	21.5	2.1	7.4	14
9/11/2007	17:30:40	26.3	279	19.6	2.0	7.3	14
9/11/2007	18:00:40	26.3	279	19.9	2.0	7.3	14
9/11/2007	18:30:40	26.3	280	18.1	1.8	7.3	14
9/11/2007	19:00:40	26.2	280	19.3	2.0	7.3	14
9/11/2007	19:30:40	26.2	279	18.5	1.9	7.3	14
9/11/2007	20:00:40	26.1	278	16.7	1.6	7.3	16
9/11/2007	20:30:40	26.1	279	18.2	1.9	7.3	14
9/11/2007	21:00:40	26.0	279	17.5	1.8	7.3	14
9/11/2007	21:30:40	26.0	279	16.7	1.6	7.3	14
9/11/2007	22:00:40	25.9	278	16.5	1.6	7.3	14
9/11/2007	22:30:40	25.9	278	16.1	1.6	7.3	14
9/11/2007	23:00:40	25.8	278	16.3	1.7	7.3	14
9/11/2007	23:30:40	25.7	278	18	1.9	7.3	13
9/12/2007	0:00:40	25.7	278	17.2	1.8	7.3	15
9/12/2007	0:30:40	25.6	277	15.1	1.5	7.3	14
9/12/2007	1:00:40	25.5	277	15.5	1.7	7.3	14
9/12/2007	1:30:40	25.5	277	14.1	1.5	7.3	14
9/12/2007	2:00:40	25.4	277	17.1	1.8	7.3	13
9/12/2007	2:30:40	25.3	277	15.6	1.7	7.3	13
9/12/2007	3:00:40	25.3	276	14.5	1.6	7.3	13
9/12/2007	3:30:40	25.2	276	15.4	1.7	7.3	12
9/12/2007	4:00:40	25.2	276	15.4	1.7	7.3	12
9/12/2007	4:30:40	25.1	276	16.4	1.8	7.3	12
9/12/2007	5:00:40	25.1	276	16.8	1.8	7.3	12
9/12/2007	5:30:40	25.0	275	16.2	1.7	7.3	12
9/12/2007	6:00:40	24.9	276	14.9	1.6	7.3	12
9/12/2007	6:30:40	24.9	275	15.6	1.7	7.3	12

Table 18. Physical property data recorded at 30-minute intervals for station 330730090431300 Murphy Bayou at Murphy, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/12/2007	7:00:40	24.8	276	14.4	1.6	7.3	11
9/12/2007	7:30:40	24.8	275	14.6	1.6	7.3	11
9/12/2007	8:00:40	24.7	275	13.7	1.5	7.3	12
9/12/2007	8:30:40	24.7	275	16	1.8	7.3	11
9/12/2007	9:00:40	24.6	275	15.2	1.7	7.3	11
9/12/2007	9:30:40	24.6	275	15.2	1.7	7.3	11
9/12/2007	10:00:40	24.6	274	14.8	1.6	7.3	11
9/12/2007	10:30:40	24.6	274	13.6	1.5	7.3	11
9/12/2007	11:00:40	24.5	274	14.5	1.6	7.3	11
9/12/2007	11:30:40	24.6	274	15.3	1.8	7.3	11
9/12/2007	12:00:40	24.6	274	15.3	1.8	7.3	11
9/12/2007	12:30:40	24.6	273	15.4	1.8	7.3	11
9/12/2007	13:00:40	24.7	273	18.1	2.1	7.3	11
9/12/2007	13:30:40	24.7	273	19.1	2.2	7.4	11
9/12/2007	14:00:40	24.8	273	19.2	2.2	7.4	11
9/12/2007	14:30:40	24.9	273	20.2	2.4	7.4	11
9/12/2007	15:00:40	25.0	272	25.4	2.9	7.4	10
9/12/2007	15:30:40	25.1	273	18.8	2.1	7.4	9
9/12/2007	16:00:40	25.1	273	22.6	2.7	7.4	10
9/12/2007	16:30:40	25.1	273	20.1	2.4	7.4	9
9/12/2007	17:00:40	25.1	273	22	2.6	7.4	9
9/12/2007	17:30:40	25.2	272	19.4	2.3	7.4	10
9/12/2007	18:00:40	25.3	272	21.6	2.6	7.4	9
9/12/2007	18:30:40	25.3	272	25.4	2.6	7.4	--
9/12/2007	19:00:40	25.3	272	23.5	2.7	7.4	--
9/12/2007	19:30:40	25.4	271	23.2	2.7	7.4	--
9/12/2007	20:00:40	25.5	271	24.7	2.7	7.4	--
9/12/2007	20:30:40	25.5	271	22	2.6	7.4	--
9/12/2007	21:00:40	25.4	271	21.5	2.6	7.4	--
9/12/2007	21:30:40	25.4	271	29.9	2.6	7.4	--
9/12/2007	22:00:40	25.4	270	27.2	2.6	7.4	--
9/12/2007	22:30:40	25.3	270	32	2.7	7.4	--
9/12/2007	23:00:40	25.3	270	31.9	2.7	7.4	--
9/12/2007	23:30:40	25.2	270	30.9	2.7	7.4	--
9/13/2007	0:00:40	25.2	270	27.5	2.7	7.4	--
9/13/2007	0:30:40	25.1	269	29.2	2.7	7.4	--
9/13/2007	1:00:40	25.1	269	29.8	2.7	7.4	--
9/13/2007	1:30:40	25.1	269	27.3	2.8	7.4	--
9/13/2007	2:00:40	25.0	269	25.5	2.8	7.4	--
9/13/2007	2:30:40	25.0	269	22.4	2.8	7.4	--

Table 18. Physical property data recorded at 30-minute intervals for station 330730090431300 Murphy Bayou at Murphy, Mississippi, September 10–13, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/13/2007	3:00:40	24.9	268	22.4	2.8	7.4	--
9/13/2007	3:30:40	24.9	268	20.4	--	7.4	--
9/13/2007	4:00:40	24.9	268	23.1	--	7.4	--
9/13/2007	4:30:40	24.8	268	22	--	7.4	--
9/13/2007	5:00:40	24.8	268	19.8	--	7.4	--
9/13/2007	5:30:40	24.8	267	19.6	--	7.4	--
9/13/2007	6:00:40	24.8	267	20.4	--	7.4	--
9/13/2007	6:30:40	24.7	267	19.8	--	7.4	--
9/13/2007	7:00:40	24.7	267	18.4	--	7.3	--
9/13/2007	7:30:40	24.7	267	18.5	--	7.3	--
9/13/2007	8:00:40	24.6	266	18.4	--	7.3	--
9/13/2007	8:30:40	24.6	266	18.4	--	7.3	--
9/13/2007	9:00:40	24.6	266	16.7	--	7.3	--
9/13/2007	9:30:40	24.6	266	17.6	--	7.3	--
9/13/2007	10:00:40	24.7	266	17.8	--	7.3	--
9/13/2007	10:30:40	24.7	265	17.6	--	7.3	--
9/13/2007	11:00:40	24.7	265	16.1	--	7.3	--
9/13/2007	11:30:40	24.7	265	17	--	7.3	--
9/13/2007	12:00:40	24.8	265	16	--	7.3	--
9/13/2007	12:30:40	24.8	265	17.3	--	7.3	--
9/13/2007	13:00:40	24.8	265	16.3	--	7.3	--
9/13/2007	13:30:40	24.8	265	17.5	--	7.3	--
9/13/2007	14:00:40	24.9	258	30.7	--	7.4	--

Table 19. Physical property data recorded at 30-minute intervals for station 332749090103400 Pelucia Creek near Rising Sun, Mississippi, October 1–3, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/1/2007	11:30:40	22.3	82	114.3	9.9	8.3
10/1/2007	12:00:40	22.9	81	116.7	10.0	8.4
10/1/2007	12:30:40	23.4	81	118	10.0	8.5
10/1/2007	13:00:40	24.0	80	119	10.0	8.5
10/1/2007	13:30:40	24.1	80	118.2	9.9	8.6
10/1/2007	14:00:40	24.6	80	118.6	9.9	8.6
10/1/2007	14:30:40	25.3	79	119.8	9.8	8.7
10/1/2007	15:00:40	25.5	79	119.1	9.8	8.7
10/1/2007	15:30:40	25.9	78	119	9.7	8.7
10/1/2007	16:00:40	25.7	78	116	9.4	8.7
10/1/2007	16:30:40	25.7	77	114.3	9.3	8.7
10/1/2007	17:00:40	25.7	77	113.2	9.2	8.7
10/1/2007	17:30:40	25.6	77	111.1	9.1	8.6
10/1/2007	18:00:40	25.4	77	108.2	8.9	8.6
10/1/2007	18:30:40	25.2	77	105.6	8.7	8.5
10/1/2007	19:00:40	24.9	77	103	8.5	8.4
10/1/2007	19:30:40	24.7	77	100.9	8.4	8.3
10/1/2007	20:00:40	24.5	77	99.6	8.3	8.2
10/1/2007	20:30:40	24.4	78	98.6	8.2	8.0
10/1/2007	21:00:40	24.2	78	97.9	8.2	8.0
10/1/2007	21:30:40	24.0	79	97.3	8.2	7.9
10/1/2007	22:00:40	23.9	79	97.1	8.2	7.9
10/1/2007	22:30:40	23.7	80	96.9	8.2	7.8
10/1/2007	23:00:40	23.5	80	96.9	8.2	7.8
10/1/2007	23:30:40	23.3	81	96.8	8.2	7.8
10/2/2007	0:00:40	23.2	81	96.9	8.3	7.8
10/2/2007	0:30:40	22.9	81	97	8.3	7.8
10/2/2007	1:00:40	22.8	82	97	8.4	7.7
10/2/2007	1:30:40	22.6	82	97.1	8.4	7.7
10/2/2007	2:00:40	22.4	82	97.1	8.4	7.7
10/2/2007	2:30:40	22.2	83	97.2	8.5	7.7
10/2/2007	3:00:40	22.0	83	97.2	8.5	7.7
10/2/2007	3:30:40	21.8	83	97.4	8.6	7.7
10/2/2007	4:00:40	21.6	83	97.5	8.6	7.7
10/2/2007	4:30:40	21.4	84	97.4	8.6	7.7
10/2/2007	5:00:40	21.2	84	97.6	8.7	7.7
10/2/2007	5:30:40	21.0	84	97.6	8.7	7.7
10/2/2007	6:00:40	20.8	84	97.8	8.8	7.7
10/2/2007	6:30:40	20.6	84	97.9	8.8	7.7
10/2/2007	7:00:40	20.4	84	98	8.8	7.7
10/2/2007	7:30:40	20.3	84	98.9	8.9	7.7

Table 19. Physical property data recorded at 30-minute intervals for station 332749090103400 Pelucia Creek near Rising Sun, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/2/2007	8:00:40	20.3	84	101.1	9.2	7.7
10/2/2007	8:30:40	20.4	84	104.7	9.4	7.8
10/2/2007	9:00:40	20.8	83	108.1	9.7	8.0
10/2/2007	9:30:40	21.2	83	110.9	9.8	8.1
10/2/2007	10:00:40	21.7	83	113.3	10.0	8.2
10/2/2007	10:30:40	22.3	83	115.3	10.0	8.3
10/2/2007	11:00:40	22.9	82	116.9	10.0	8.3
10/2/2007	11:30:40	23.7	82	118.7	10.0	8.4
10/2/2007	12:00:40	24.4	82	119.3	10.0	8.5
10/2/2007	12:30:40	25.2	81	120.6	9.9	8.6
10/2/2007	13:00:40	25.9	81	120.8	9.8	8.6
10/2/2007	13:30:40	26.5	80	120.9	9.7	8.6
10/2/2007	14:00:40	27.2	80	121.1	9.6	8.7
10/2/2007	14:30:40	27.6	80	120.8	9.5	8.7
10/2/2007	15:00:40	28.0	79	119.9	9.4	8.7
10/2/2007	15:30:40	28.3	79	119.4	9.3	8.8
10/2/2007	16:00:40	28.4	78	118.5	9.2	8.8
10/2/2007	16:30:40	28.3	78	117.4	9.1	8.8
10/2/2007	17:00:40	28.1	78	115.4	9.0	8.8
10/2/2007	17:30:40	27.8	77	112.6	8.8	8.7
10/2/2007	18:00:40	27.5	77	109.3	8.6	8.7
10/2/2007	18:30:40	27.0	77	105.2	8.4	8.6
10/2/2007	19:00:40	26.6	77	102	8.2	8.4
10/2/2007	19:30:40	26.2	77	99.7	8.1	8.3
10/2/2007	20:00:40	25.9	77	98.3	8.0	8.2
10/2/2007	20:30:40	25.6	78	97.4	8.0	8.1
10/2/2007	21:00:40	25.4	78	96.8	7.9	8.0
10/2/2007	21:30:40	25.1	78	96.4	8.0	7.9
10/2/2007	22:00:40	24.9	79	96.2	8.0	7.9
10/2/2007	22:30:40	24.6	79	96.1	8.0	7.8
10/2/2007	23:00:40	24.4	80	96.1	8.0	7.8
10/2/2007	23:30:40	24.1	80	96.2	8.1	7.8
10/3/2007	0:00:40	23.8	81	96.2	8.1	7.8
10/3/2007	0:30:40	23.5	81	96.3	8.2	7.8
10/3/2007	1:00:40	23.2	82	96.4	8.2	7.7
10/3/2007	1:30:40	22.9	82	96.4	8.3	7.7
10/3/2007	2:00:40	22.7	83	96.6	8.3	7.7
10/3/2007	2:30:40	22.4	83	96.7	8.4	7.7
10/3/2007	3:00:40	22.1	83	96.8	8.4	7.7
10/3/2007	3:30:40	21.9	83	97	8.5	7.7
10/3/2007	4:00:40	21.6	83	97	8.5	7.7

Table 19. Physical property data recorded at 30-minute intervals for station 332749090103400 Pelucia Creek near Rising Sun, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
10/3/2007	4:30:40	21.4	84	97	8.6	7.7
10/3/2007	5:00:40	21.2	84	97.1	8.6	7.7
10/3/2007	5:30:40	21.0	84	97.3	8.7	7.7
10/3/2007	6:00:40	20.8	84	97.5	8.7	7.7
10/3/2007	6:30:40	20.6	84	97.6	8.8	7.7
10/3/2007	7:00:40	20.4	84	97.8	8.8	7.7
10/3/2007	7:30:40	20.2	84	98.8	8.9	7.7
10/3/2007	8:00:40	20.3	84	101.5	9.2	7.8
10/3/2007	8:30:40	20.5	84	105.3	9.5	7.9
10/3/2007	9:00:40	20.6	83	107.7	9.7	8.0
10/3/2007	9:30:40	20.9	83	110.5	9.9	8.1
10/3/2007	10:00:40	21.5	83	113.8	10.0	8.3
10/3/2007	10:30:40	22.1	82	115.8	10.1	8.4
10/3/2007	11:00:40	23.0	82	118.2	10.1	8.4
10/3/2007	11:30:40	23.8	82	119.8	10.1	8.5
10/3/2007	12:00:40	24.5	81	120.2	10.0	8.6
10/3/2007	12:30:40	25.2	81	121	10.0	8.6
10/3/2007	13:00:40	25.9	80	121.2	9.8	8.7
10/3/2007	13:30:40	26.6	80	121.9	9.8	8.7
10/3/2007	14:00:40	27.2	79	122.2	9.7	8.8
10/3/2007	14:30:40	27.7	79	121.8	9.6	8.8
10/3/2007	15:00:40	28.1	78	121.5	9.5	8.8
10/3/2007	15:30:40	28.3	77	120.5	9.4	8.8

Table 20. Physical property data recorded at 30-minute intervals for station 333328090554800 Clear Creek near Stringtown, Mississippi, September —Continued

[μS/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μS/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/10/2007	17:30:40	30.0	447	203.3	14.4	8.8
9/10/2007	18:00:40	30.0	441	201.2	14.2	8.8
9/10/2007	18:30:40	29.9	443	197.9	14.0	8.8
9/10/2007	19:00:40	29.9	440	193.6	13.6	8.8
9/10/2007	19:30:40	29.8	441	188	13.2	8.8
9/10/2007	20:00:40	29.8	441	182.7	12.8	8.8
9/10/2007	20:30:40	29.8	439	177	12.5	8.8
9/10/2007	21:00:40	29.7	435	171.2	12.1	8.7
9/10/2007	21:30:40	29.6	436	165.3	11.7	8.7
9/10/2007	22:00:40	29.6	439	158.9	11.2	8.7
9/10/2007	22:30:40	29.5	440	151.7	10.6	8.6
9/10/2007	23:00:40	29.5	442	143.7	10.0	8.6
9/10/2007	23:30:40	29.4	446	135.1	9.4	8.6
9/11/2007	0:00:40	29.3	449	125.5	8.7	8.5
9/11/2007	0:30:40	29.2	453	114.6	8.0	8.5
9/11/2007	1:00:40	29.1	455	104.2	7.3	8.4
9/11/2007	1:30:40	29.0	458	94.1	6.6	8.3
9/11/2007	2:00:40	28.9	459	84.5	5.9	8.2
9/11/2007	2:30:40	28.8	460	75.4	5.3	8.2
9/11/2007	3:00:40	28.7	461	66.6	4.7	8.1
9/11/2007	3:30:40	28.6	462	58.3	4.1	8.0
9/11/2007	4:00:40	28.4	463	50.4	3.6	7.9
9/11/2007	4:30:40	28.3	463	43.1	3.0	7.9
9/11/2007	5:00:40	28.2	464	36.5	2.6	7.8
9/11/2007	5:30:40	28.0	464	30.3	2.2	7.8
9/11/2007	6:00:40	27.9	465	25	1.8	7.7
9/11/2007	6:30:40	27.8	466	20.3	1.5	7.7
9/11/2007	7:00:40	27.7	466	18.4	1.3	7.7
9/11/2007	7:30:40	27.6	467	15.9	1.1	7.7
9/11/2007	8:00:40	27.5	469	15.5	1.1	7.6
9/11/2007	8:30:40	27.4	469	17.8	1.3	7.7
9/11/2007	9:00:40	27.3	472	21	1.6	7.7
9/11/2007	9:30:40	27.3	475	24.6	1.8	7.7
9/11/2007	10:00:40	27.2	476	38.7	2.9	7.8
9/11/2007	10:30:40	27.2	476	53.6	4.0	7.8
9/11/2007	11:00:40	27.3	477	72.2	5.3	7.9
9/11/2007	11:30:40	27.2	480	70.3	5.2	7.9
9/11/2007	12:00:40	27.0	482	65.1	4.8	7.9
9/11/2007	12:30:40	26.9	484	65.8	4.8	7.9
9/11/2007	13:00:40	26.9	485	80.5	6.0	8.0
9/11/2007	13:30:40	27.0	484	97.7	7.3	8.1

Table 20. Physical property data recorded at 30-minute intervals for station 333328090554800 Clear Creek near Stringtown, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/11/2007	14:00:40	27.0	484	108.1	8.0	8.1
9/11/2007	14:30:40	26.9	483	117.5	8.8	8.2
9/11/2007	15:00:40	26.9	480	128.5	9.5	8.3
9/11/2007	15:30:40	26.9	477	138.9	10.4	8.3
9/11/2007	16:00:40	26.8	475	143.5	10.8	8.4
9/11/2007	16:30:40	26.7	472	144	10.9	8.4
9/11/2007	17:00:40	26.6	470	146.2	11.1	8.4
9/11/2007	17:30:40	26.5	467	145.4	11.1	8.4
9/11/2007	18:00:40	26.4	460	140.4	10.7	8.4
9/11/2007	18:30:40	26.3	452	134	10.2	8.3
9/11/2007	19:00:40	26.3	442	126.3	9.6	8.3
9/11/2007	19:30:40	26.2	433	117.7	8.9	8.2
9/11/2007	20:00:40	26.1	426	109	8.3	8.2
9/11/2007	20:30:40	26.0	422	99.9	7.6	8.1
9/11/2007	21:00:40	25.9	419	90.6	7.0	8.0
9/11/2007	21:30:40	25.8	417	81.4	6.2	7.9
9/11/2007	22:00:40	25.7	417	72.5	5.6	7.9
9/11/2007	22:30:40	25.6	417	65	5.0	7.8
9/11/2007	23:00:40	25.5	417	58.6	4.5	7.8
9/11/2007	23:30:40	25.4	417	53.3	4.2	7.7
9/12/2007	0:00:40	25.3	417	48.6	3.8	7.7
9/12/2007	0:30:40	25.2	417	45.4	3.5	7.7
9/12/2007	1:00:40	25.1	416	42.6	3.3	7.6
9/12/2007	1:30:40	25.0	416	40.4	3.1	7.6
9/12/2007	2:00:40	25.0	416	38.5	3.0	7.6
9/12/2007	2:30:40	24.9	415	37.2	2.9	7.6
9/12/2007	3:00:40	24.9	414	36.1	2.9	7.6
9/12/2007	3:30:40	24.8	412	35.4	2.8	7.6
9/12/2007	4:00:40	24.8	409	34.9	2.8	7.6
9/12/2007	4:30:40	24.7	404	34.5	2.8	7.6
9/12/2007	5:00:40	24.6	399	33.9	2.7	7.6
9/12/2007	5:30:40	24.5	393	33.8	2.7	7.6
9/12/2007	6:00:40	24.4	387	33.2	2.7	7.6
9/12/2007	6:30:40	24.3	382	33.1	2.7	7.6
9/12/2007	7:00:40	24.2	377	33.3	2.7	7.6
9/12/2007	7:30:40	24.1	372	35.1	2.8	7.6
9/12/2007	8:00:40	24.0	367	38.4	3.1	7.6
9/12/2007	8:30:40	23.9	363	43.6	3.6	7.6
9/12/2007	9:00:40	23.9	359	53.1	4.3	7.7
9/12/2007	9:30:40	23.9	354	62.8	5.1	7.7
9/12/2007	10:00:40	24.0	350	73.8	6.0	7.8

Table 20. Physical property data recorded at 30-minute intervals for station 333328090554800 Clear Creek near Stringtown, Mississippi, September 10–13, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/12/2007	10:30:40	24.2	345	88.3	7.1	7.9
9/12/2007	11:00:40	24.4	340	102.9	8.3	8.1
9/12/2007	11:30:40	24.6	334	117.7	9.5	8.2
9/12/2007	12:00:40	24.8	327	131.2	10.6	8.3
9/12/2007	12:30:40	25.1	321	143.2	11.5	8.5
9/12/2007	13:00:40	25.3	316	154.2	12.3	8.6
9/12/2007	13:30:40	25.6	310	163.2	13.0	8.7
9/12/2007	14:00:40	25.9	304	170.1	13.5	8.8
9/12/2007	14:30:40	26.1	299	173.7	13.8	8.8
9/12/2007	15:00:40	26.2	294	176.4	13.9	8.9
9/12/2007	15:30:40	26.4	291	177	14.0	8.9
9/12/2007	16:00:40	26.5	286	179.4	14.1	8.9
9/12/2007	16:30:40	26.6	283	180.2	14.1	8.9
9/12/2007	17:00:40	26.6	280	178.9	14.0	8.9
9/12/2007	17:30:40	26.6	278	173.3	13.6	8.9
9/12/2007	18:00:47	26.6	276	167.4	13.1	8.9
9/12/2007	18:30:40	26.5	275	160.7	12.7	8.8
9/12/2007	19:00:44	26.4	273	154.2	12.2	8.8
9/12/2007	19:30:40	26.4	272	140.7	11.1	8.7
9/12/2007	20:00:40	26.2	272	131.1	10.4	8.6
9/12/2007	20:30:40	26.1	271	122.3	9.7	8.5
9/12/2007	21:00:40	26.0	270	113.7	9.0	8.4
9/12/2007	21:30:40	25.8	269	104.9	8.3	8.3
9/12/2007	22:00:40	25.6	269	96.2	7.6	8.1
9/12/2007	22:30:40	25.4	269	87.9	7.1	8.0
9/12/2007	23:00:40	25.2	268	79.9	6.5	7.9
9/12/2007	23:30:44	25.1	268	72.4	5.9	7.8
9/13/2007	0:00:40	24.9	268	66.2	5.4	7.8
9/13/2007	0:30:40	24.7	268	60.7	4.9	7.7
9/13/2007	1:00:40	24.6	267	56.2	4.6	7.7
9/13/2007	1:30:40	24.5	267	52.5	4.3	7.6
9/13/2007	2:00:40	24.4	267	49.4	4.0	7.6
9/13/2007	2:30:40	24.3	267	47.1	3.8	7.6
9/13/2007	3:00:40	24.3	267	44.9	3.8	7.6
9/13/2007	3:30:40	24.2	267	43.3	3.6	7.6
9/13/2007	4:00:40	24.2	266	41.6	3.5	7.5
9/13/2007	4:30:40	24.2	266	40.3	3.4	7.5
9/13/2007	5:00:40	24.2	266	38.9	3.3	7.5
9/13/2007	5:30:40	24.2	266	37.4	3.1	7.5
9/13/2007	6:00:40	24.2	267	36	3.0	7.5
9/13/2007	6:30:40	24.2	267	34.7	2.9	7.5

Table 20. Physical property data recorded at 30-minute intervals for station 333328090554800 Clear Creek near Stringtown, Mississippi, September 10–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/13/2007	7:00:40	24.1	267	33.7	2.8	7.5
9/13/2007	7:30:40	24.1	267	33.7	2.8	7.5
9/13/2007	8:00:40	24.1	267	35.1	3.0	7.5
9/13/2007	8:30:40	24.1	268	38.7	3.2	7.5
9/13/2007	9:00:40	24.0	268	42	3.5	7.5
9/13/2007	9:30:40	24.0	269	46.4	3.9	7.6
9/13/2007	10:00:40	24.0	269	54.1	4.5	7.6
9/13/2007	10:30:40	24.0	269	63.5	5.3	7.7
9/13/2007	11:00:40	24.1	270	72	6.0	7.8

Table 21. Physical property data recorded at 30-minute intervals for station 333615090061800 Teoc Creek near Teoc, Mississippi, October 1–3, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
10/1/2007	12:30:40	21.9	107	98.5	8.6
10/1/2007	13:00:40	22.0	107	98.7	8.6
10/1/2007	13:30:40	22.3	107	99.2	8.6
10/1/2007	14:00:40	22.4	107	99.2	8.6
10/1/2007	14:30:40	22.5	107	99.4	8.6
10/1/2007	15:00:40	22.8	107	99.8	8.6
10/1/2007	15:30:40	22.8	107	99.7	8.6
10/1/2007	16:00:40	23.0	107	99.3	8.5
10/1/2007	16:30:40	23.0	107	98.9	8.5
10/1/2007	17:00:40	23.0	107	98	8.4
10/1/2007	17:30:40	22.9	107	97.2	8.3
10/1/2007	18:00:40	22.9	107	96.3	8.3
10/1/2007	18:30:40	22.8	107	95.4	8.2
10/1/2007	19:00:40	22.6	107	94.6	8.2
10/1/2007	19:30:40	22.5	107	93.9	8.1
10/1/2007	20:00:40	22.4	107	93.4	8.1
10/1/2007	20:30:40	22.3	108	93	8.1
10/1/2007	21:00:40	22.2	108	92.8	8.1
10/1/2007	21:30:40	22.0	108	92.7	8.1
10/1/2007	22:00:40	21.9	108	92.5	8.1
10/1/2007	22:30:40	21.8	108	92.4	8.1
10/1/2007	23:00:40	21.7	108	92.3	8.1
10/1/2007	23:30:40	21.6	108	92.3	8.1
10/2/2007	0:00:40	21.5	108	92.1	8.1
10/2/2007	0:30:40	21.4	108	92.1	8.1
10/2/2007	1:00:40	21.3	108	92.1	8.2
10/2/2007	1:30:40	21.2	108	92.1	8.2
10/2/2007	2:00:40	21.1	108	92.2	8.2
10/2/2007	2:30:40	21.1	108	92.2	8.2
10/2/2007	3:00:40	20.9	108	92.2	8.2
10/2/2007	3:30:40	20.9	108	92.2	8.2
10/2/2007	4:00:40	20.8	108	92.2	8.3
10/2/2007	4:30:40	20.7	108	92.2	8.3
10/2/2007	5:00:40	20.6	108	92.2	8.3
10/2/2007	5:30:40	20.5	108	92.3	8.3
10/2/2007	6:00:40	20.4	108	92.3	8.3
10/2/2007	6:30:40	20.3	108	92.4	8.3
10/2/2007	7:00:40	20.2	108	92.4	8.4
10/2/2007	7:30:40	20.1	108	92.5	8.4
10/2/2007	8:00:40	20.1	109	92.6	8.4
10/2/2007	8:30:40	20.1	109	93	8.4

Table 21. Physical property data recorded at 30-minute intervals for station 333615090061800 Teoc Creek near Teoc, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
10/2/2007	9:00:40	20.2	109	93.6	8.5
10/2/2007	9:30:40	20.4	109	94.4	8.5
10/2/2007	10:00:40	20.8	109	95.6	8.6
10/2/2007	10:30:40	21.1	109	96.7	8.6
10/2/2007	11:00:40	21.5	109	97.8	8.6
10/2/2007	11:30:40	22.0	109	99	8.6
10/2/2007	12:00:40	22.5	109	99.9	8.6
10/2/2007	12:30:40	22.9	109	100.5	8.6
10/2/2007	13:00:40	23.3	109	100.9	8.6
10/2/2007	13:30:40	23.6	109	101	8.6
10/2/2007	14:00:40	23.9	109	100.9	8.5
10/2/2007	14:30:40	24.0	109	100.6	8.5
10/2/2007	15:00:40	24.1	109	100	8.4
10/2/2007	15:30:40	24.1	109	99.2	8.3
10/2/2007	16:00:40	24.1	109	98.4	8.3
10/2/2007	16:30:40	24.0	109	97.4	8.2
10/2/2007	17:00:40	23.9	109	96.4	8.1
10/2/2007	17:30:40	23.7	109	95.5	8.1
10/2/2007	18:00:40	23.5	110	94.6	8.0
10/2/2007	18:30:40	23.3	110	93.9	8.0
10/2/2007	19:00:40	23.1	110	93.3	8.0
10/2/2007	19:30:40	22.9	110	92.8	8.0
10/2/2007	20:00:40	22.8	110	92.4	8.0
10/2/2007	20:30:40	22.5	110	92.2	8.0
10/2/2007	21:00:40	22.3	110	92	8.0
10/2/2007	21:30:40	22.2	110	91.9	8.0
10/2/2007	22:00:40	22.0	110	91.8	8.0
10/2/2007	22:30:40	21.8	110	91.7	8.0
10/2/2007	23:00:40	21.7	110	91.7	8.1
10/2/2007	23:30:40	21.5	110	91.7	8.1
10/3/2007	0:00:40	21.4	110	91.8	8.1
10/3/2007	0:30:40	21.3	110	91.8	8.1
10/3/2007	1:00:40	21.2	110	91.9	8.2
10/3/2007	1:30:40	21.1	110	92	8.2
10/3/2007	2:00:40	20.9	110	92	8.2
10/3/2007	2:30:40	20.8	110	92	8.2
10/3/2007	3:00:40	20.7	110	92	8.2
10/3/2007	3:30:40	20.6	110	92	8.3
10/3/2007	4:00:40	20.4	110	92.1	8.3
10/3/2007	4:30:40	20.4	110	92.1	8.3
10/3/2007	5:00:40	20.3	109	92	8.3

Table 21. Physical property data recorded at 30-minute intervals for station 333615090061800 Teoc Creek near Teoc, Mississippi, October 1–3, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
10/3/2007	5:30:40	20.2	109	92.1	8.3
10/3/2007	6:00:40	20.1	109	92.1	8.4
10/3/2007	6:30:40	20.0	109	92.3	8.4
10/3/2007	7:00:40	20.0	109	92.5	8.4
10/3/2007	7:30:40	20.0	109	92.5	8.4
10/3/2007	8:00:40	20.0	109	93	8.5
10/3/2007	8:30:40	20.1	110	93.6	8.5
10/3/2007	9:00:40	20.2	110	94.3	8.5
10/3/2007	9:30:40	20.5	110	95.4	8.6
10/3/2007	10:00:40	20.8	110	96.3	8.6
10/3/2007	10:30:40	21.1	110	97.5	8.7
10/3/2007	11:00:40	21.6	110	98.4	8.7
10/3/2007	11:30:40	22.1	110	99.5	8.7
10/3/2007	12:00:40	22.6	110	100.4	8.7
10/3/2007	12:30:40	23.0	110	101	8.6
10/3/2007	13:00:40	23.4	110	101.3	8.6
10/3/2007	13:30:40	23.7	110	101.5	8.6
10/3/2007	14:00:40	23.9	110	101.5	8.6
10/3/2007	14:30:40	24.1	110	101.1	8.5
10/3/2007	15:00:40	24.2	110	100.4	8.4

Table 22. Physical property data recorded at 30-minute intervals for station 334747090285000 Wild Bill Bayou near Drew, Mississippi, September 11–13, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/11/2007	14:00:40	26.8	339	111.6	8.9
9/11/2007	14:30:40	26.7	341	112.2	9.0
9/11/2007	15:00:40	26.7	343	114.8	9.2
9/11/2007	15:30:40	26.8	345	117.6	9.4
9/11/2007	16:00:40	26.7	347	120.9	9.7
9/11/2007	16:30:40	26.7	350	118.5	9.5
9/11/2007	17:00:40	26.6	352	113.6	9.1
9/11/2007	17:30:40	26.6	354	115.7	9.3
9/11/2007	18:00:40	26.5	357	114	9.2
9/11/2007	18:30:40	26.4	359	109.5	8.8
9/11/2007	19:00:40	26.3	362	104	8.4
9/11/2007	19:30:40	26.2	364	98.6	8.0
9/11/2007	20:00:40	26.1	366	93.3	7.6
9/11/2007	20:30:40	26.0	368	88.5	7.2
9/11/2007	21:00:40	25.9	370	84.1	6.8
9/11/2007	21:30:40	25.7	372	79.9	6.5
9/11/2007	22:00:40	25.6	374	76.1	6.2
9/11/2007	22:30:40	25.4	376	72.6	6.0
9/11/2007	23:00:40	25.3	378	69	5.7
9/11/2007	23:30:40	25.1	379	65.4	5.4
9/12/2007	0:00:40	25.0	381	62.2	5.1
9/12/2007	0:30:40	24.9	382	58.9	4.9
9/12/2007	1:00:40	24.7	383	56.1	4.6
9/12/2007	1:30:40	24.6	384	53.6	4.5
9/12/2007	2:00:40	24.4	385	51.4	4.3
9/12/2007	2:30:40	24.3	386	49.3	4.1
9/12/2007	3:00:40	24.2	387	47.4	4.0
9/12/2007	3:30:40	24.0	387	45.7	3.8
9/12/2007	4:00:40	23.9	388	44.2	3.7
9/12/2007	4:30:40	23.8	390	42.9	3.6
9/12/2007	5:00:40	23.7	390	41.6	3.5
9/12/2007	5:30:40	23.5	391	40.5	3.4
9/12/2007	6:00:40	23.4	391	39	3.3
9/12/2007	6:30:40	23.3	391	37.5	3.2
9/12/2007	7:00:40	23.2	391	36.9	3.2
9/12/2007	7:30:40	23.1	391	38.6	3.3
9/12/2007	8:00:40	23.0	391	42.6	3.6
9/12/2007	8:30:40	23.0	390	45.5	3.9
9/12/2007	9:00:40	23.0	389	49.7	4.3
9/12/2007	9:30:40	23.1	389	58.6	5.0
9/12/2007	10:00:40	23.4	388	70.4	6.0

Table 22. Physical property data recorded at 30-minute intervals for station 334747090285000 Wild Bill Bayou near Drew, Mississippi, September 11–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/12/2007	10:30:40	23.7	387	85.5	7.2
9/12/2007	11:00:40	24.1	385	101.2	8.5
9/12/2007	11:30:40	24.6	383	116.9	9.7
9/12/2007	12:00:40	25.0	381	132	10.9
9/12/2007	12:30:40	25.5	379	145.1	11.9
9/12/2007	13:00:40	26.0	376	155	12.6
9/12/2007	13:30:40	26.5	373	162.4	13.0
9/12/2007	14:00:40	26.9	369	167.7	13.4
9/12/2007	14:30:40	27.3	367	172.5	13.7
9/12/2007	15:00:40	27.5	364	182.2	14.4
9/12/2007	15:30:40	27.7	364	178.6	14.0
9/12/2007	16:00:40	27.6	362	179.3	14.1
9/12/2007	16:30:40	27.4	359	174.4	13.8
9/12/2007	17:00:40	27.2	358	166.1	13.2
9/12/2007	17:30:40	26.9	357	158.7	12.7
9/12/2007	18:00:40	26.6	356	151.5	12.1
9/12/2007	18:30:40	26.4	353	145.2	11.7
9/12/2007	19:00:40	26.3	351	139.6	11.2
9/12/2007	19:30:40	26.2	350	133.3	10.8
9/12/2007	20:00:40	26.0	351	126.6	10.2
9/12/2007	20:30:40	25.9	359	118.1	9.6
9/12/2007	21:00:40	25.7	375	109.2	8.9
9/12/2007	21:30:40	25.4	396	99	8.1
9/12/2007	22:00:40	25.1	415	88.2	7.3
9/12/2007	22:30:40	24.8	431	77.3	6.4
9/12/2007	23:00:40	24.5	441	67.4	5.6
9/12/2007	23:30:40	24.2	448	59.2	5.0
9/13/2007	0:00:40	24.0	451	52.8	4.5
9/13/2007	0:30:40	23.8	453	48.3	4.1
9/13/2007	1:00:40	23.7	453	45.3	3.8
9/13/2007	1:30:40	23.6	453	43.5	3.7
9/13/2007	2:00:40	23.4	453	42.5	3.6
9/13/2007	2:30:40	23.4	452	41.9	3.6
9/13/2007	3:00:40	23.3	451	41.6	3.5
9/13/2007	3:30:40	23.2	450	41.4	3.5
9/13/2007	4:00:40	23.2	450	41.4	3.5
9/13/2007	4:30:40	23.1	449	41.4	3.5
9/13/2007	5:00:40	23.0	448	41.2	3.5
9/13/2007	5:30:40	23.0	448	41.1	3.5
9/13/2007	6:00:40	23.0	447	39.4	3.4
9/13/2007	6:30:40	22.9	446	38.4	3.3

Table 22. Physical property data recorded at 30-minute intervals for station 334747090285000 Wild Bill Bayou near Drew, Mississippi, September 11–13, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/13/2007	7:00:40	22.9	445	38.2	3.3
9/13/2007	7:30:40	22.8	445	39.4	3.4
9/13/2007	8:00:40	22.8	445	41.7	3.6
9/13/2007	8:30:40	22.8	444	45.3	3.9
9/13/2007	9:00:40	22.8	444	49.9	4.3
9/13/2007	9:30:40	22.9	443	54.3	4.7

Table 23. Physical property data recorded at 30-minute intervals for station 335105090415300 Mound Bayou near Merigold, Mississippi, September 24–27, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/24/2007	17:00:40	25.4	509	80.8	6.6	8.2
9/24/2007	17:30:40	25.2	511	69.9	5.8	8.1
9/24/2007	18:00:40	25.2	511	65.8	5.4	8.0
9/24/2007	18:30:40	25.5	509	76.8	6.3	8.2
9/24/2007	19:00:40	25.4	510	66.1	5.4	8.1
9/24/2007	19:30:40	25.4	510	60	4.9	8.1
9/24/2007	20:00:40	25.5	509	73.4	6.0	8.1
9/24/2007	20:30:40	25.5	509	69.6	5.7	8.2
9/24/2007	21:00:40	25.5	509	66.4	5.4	8.2
9/24/2007	21:30:40	25.5	510	61.5	5.0	8.1
9/24/2007	22:00:40	25.4	510	57.8	4.7	8.0
9/24/2007	22:30:40	25.4	511	52.1	4.3	8.0
9/24/2007	23:00:40	25.3	511	48.6	4.0	8.0
9/24/2007	23:30:40	25.3	511	43.8	3.6	7.9
9/25/2007	0:00:40	25.2	512	39.3	3.2	7.9
9/25/2007	0:30:40	25.2	512	35.5	2.9	7.8
9/25/2007	1:00:40	25.1	512	33.5	2.8	7.8
9/25/2007	1:30:40	25.1	512	30.3	2.5	7.8
9/25/2007	2:00:40	25.0	513	24.7	2.0	7.7
9/25/2007	2:30:40	24.9	513	20.5	1.7	7.7
9/25/2007	3:00:40	24.9	513	16	1.3	7.6
9/25/2007	3:30:40	24.8	514	12.3	1.0	7.6
9/25/2007	4:00:40	24.7	514	9.3	0.8	7.6
9/25/2007	4:30:40	24.7	514	5.8	0.5	7.6
9/25/2007	5:00:40	24.6	514	4.9	0.4	7.6
9/25/2007	5:30:40	24.5	515	4.1	0.3	7.5
9/25/2007	6:00:40	24.5	515	4	0.3	7.5
9/25/2007	6:30:40	24.4	515	3.3	0.3	7.5
9/25/2007	7:00:40	24.4	516	2.4	0.2	7.5
9/25/2007	7:30:40	24.3	516	2.4	0.2	7.5
9/25/2007	8:00:40	24.3	516	3.1	0.3	7.5
9/25/2007	8:30:40	24.3	516	3.6	0.3	7.5
9/25/2007	9:00:40	24.3	517	4.2	0.3	7.5
9/25/2007	9:30:40	24.2	516	6.2	0.5	7.5
9/25/2007	10:00:40	24.3	516	7.7	0.6	7.5
9/25/2007	10:30:40	24.3	517	10.2	0.9	7.5
9/25/2007	11:00:40	24.3	515	12.2	1.0	7.5
9/25/2007	11:30:40	24.3	513	14.1	1.2	7.5
9/25/2007	12:00:40	24.3	514	15	1.3	7.5
9/25/2007	12:30:40	24.3	515	15.3	1.3	7.5
9/25/2007	13:00:40	24.4	515	16.5	1.4	7.6

Table 23. Physical property data recorded at 30-minute intervals for station 335105090415300 Mound Bayou near Merigold, Mississippi, September 24–27, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/25/2007	13:30:40	24.4	515	17.3	1.4	7.6
9/25/2007	14:00:40	24.4	515	20.7	1.7	7.6
9/25/2007	14:30:40	24.4	515	22.1	1.8	7.6
9/25/2007	15:00:40	24.5	514	24.8	2.1	7.6
9/25/2007	15:30:40	24.5	514	27.5	2.3	7.6
9/25/2007	16:00:40	24.6	514	31.4	2.6	7.6
9/25/2007	16:30:40	24.6	514	28.7	2.4	7.6
9/25/2007	17:00:40	24.6	513	31.5	2.6	7.6
9/25/2007	17:30:40	24.6	513	32.2	2.7	7.6
9/25/2007	18:00:40	24.6	513	31.2	2.6	7.6
9/25/2007	18:30:40	24.7	513	32.1	2.7	7.6
9/25/2007	19:00:40	24.7	513	32.5	2.7	7.6
9/25/2007	19:30:40	24.7	513	32.2	2.7	7.7
9/25/2007	20:00:40	24.7	512	32.2	2.7	7.7
9/25/2007	20:30:40	24.7	512	31.4	2.6	7.7
9/25/2007	21:00:40	24.7	512	29.2	2.4	7.6
9/25/2007	21:30:40	24.6	513	26.6	2.2	7.6
9/25/2007	22:00:40	24.6	513	23.5	2.0	7.6
9/25/2007	22:30:40	24.6	513	20.2	1.7	7.6
9/25/2007	23:00:40	24.6	513	17.1	1.4	7.6
9/25/2007	23:30:40	24.5	514	15	1.2	7.6
9/26/2007	0:00:40	24.5	514	13.1	1.1	7.6
9/26/2007	0:30:40	24.5	514	10.9	0.9	7.5
9/26/2007	1:00:40	24.4	515	8.7	0.7	7.5
9/26/2007	1:30:40	24.4	515	7.5	0.6	7.5
9/26/2007	2:00:40	24.3	515	7	0.6	7.5
9/26/2007	2:30:40	24.3	516	5.7	0.5	7.5
9/26/2007	3:00:40	24.2	516	4.3	0.4	7.5
9/26/2007	3:30:40	24.2	517	3.6	0.3	7.5
9/26/2007	4:00:40	24.2	517	3.2	0.3	7.5
9/26/2007	4:30:40	24.2	518	2.8	0.2	7.5
9/26/2007	5:00:40	24.2	518	2.8	0.2	7.5
9/26/2007	5:30:40	24.1	518	2.6	0.2	7.5
9/26/2007	6:00:40	24.1	519	2.7	0.2	7.5
9/26/2007	6:30:40	24.1	519	2.7	0.2	7.5
9/26/2007	7:00:40	24.0	520	2.4	0.2	7.5
9/26/2007	7:30:40	24.0	520	2.6	0.2	7.5
9/26/2007	8:00:40	24.0	521	2.8	0.2	7.5
9/26/2007	8:30:40	24.0	521	3.4	0.3	7.5
9/26/2007	9:00:40	24.0	522	4.6	0.4	7.5
9/26/2007	9:30:40	24.1	522	7.9	0.7	7.5

Table 23. Physical property data recorded at 30-minute intervals for station 335105090415300 Mound Bayou near Merigold, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/26/2007	10:00:40	24.1	524	12.1	1.0	7.5
9/26/2007	10:30:40	24.2	523	13.3	1.1	7.5
9/26/2007	11:00:40	24.2	524	17.1	1.4	7.5
9/26/2007	11:30:40	24.3	524	18	1.5	7.5
9/26/2007	12:00:40	24.5	524	18.2	1.5	7.5
9/26/2007	12:30:40	24.4	524	22.1	1.8	7.6
9/26/2007	13:00:40	24.6	524	24	2.0	7.6
9/26/2007	13:30:40	24.5	526	33.4	2.8	7.6
9/26/2007	14:00:40	24.5	526	25.1	2.1	7.6
9/26/2007	14:30:40	24.9	521	52.7	4.3	7.8
9/26/2007	15:00:40	25.2	503	40.5	3.3	7.7
9/26/2007	15:30:40	25.2	508	36.2	3.0	7.7
9/26/2007	16:00:40	25.0	520	37.3	3.1	7.7
9/26/2007	16:30:40	25.5	519	72.5	5.8	7.9
9/26/2007	17:00:40	25.5	519	65.1	5.3	7.9
9/26/2007	17:30:40	25.5	519	66.5	5.4	7.9
9/26/2007	18:00:40	25.5	519	64.7	5.3	7.9
9/26/2007	18:30:40	25.6	519	65.9	5.4	8.0
9/26/2007	19:00:40	25.6	519	66.5	5.4	8.0
9/26/2007	19:30:40	25.5	521	55.1	4.5	7.8
9/26/2007	20:00:40	25.3	523	42.6	3.5	7.7
9/26/2007	20:30:40	25.1	526	28.5	2.4	7.6
9/26/2007	21:00:40	24.8	529	15.4	1.3	7.6
9/26/2007	21:30:40	24.7	531	10.7	0.9	7.5
9/26/2007	22:00:40	24.6	532	9.8	0.8	7.5
9/26/2007	22:30:40	24.6	534	9.8	0.8	7.5
9/26/2007	23:00:40	24.5	535	9.2	0.8	7.5
9/26/2007	23:30:40	24.5	537	8.5	0.7	7.5
9/27/2007	0:00:40	24.5	539	7.8	0.7	7.5
9/27/2007	0:30:40	24.5	541	7.8	0.6	7.6
9/27/2007	1:00:40	24.6	542	8.5	0.7	7.6
9/27/2007	1:30:40	24.6	544	9.7	0.8	7.6
9/27/2007	2:00:40	24.7	547	10.7	0.9	7.6
9/27/2007	2:30:40	24.7	549	11.2	0.9	7.6
9/27/2007	3:00:40	24.6	551	10.9	0.9	7.6
9/27/2007	3:30:40	24.6	554	9.9	0.8	7.6
9/27/2007	4:00:40	24.6	556	9	0.8	7.6
9/27/2007	4:30:40	24.5	558	8.2	0.7	7.6
9/27/2007	5:00:40	24.5	560	7.7	0.6	7.6
9/27/2007	5:30:40	24.5	562	7.3	0.6	7.6
9/27/2007	6:00:40	24.4	565	6.9	0.6	7.6

Table 23. Physical property data recorded at 30-minute intervals for station 335105090415300 Mound Bayou near Merigold, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/27/2007	6:30:40	24.4	568	6.6	0.6	7.6
9/27/2007	7:00:40	24.4	570	6.3	0.5	7.6
9/27/2007	7:30:40	24.4	573	6.2	0.5	7.6
9/27/2007	8:00:40	24.4	577	7.1	0.6	7.6
9/27/2007	8:30:40	24.4	580	8.4	0.7	7.6
9/27/2007	9:00:40	24.5	583	10.2	0.8	7.6
9/27/2007	9:30:40	24.5	585	13.3	1.1	7.7
9/27/2007	10:00:40	24.6	588	16.9	1.4	7.7
9/27/2007	10:30:40	24.7	590	20.3	1.7	7.7
9/27/2007	11:00:40	24.8	593	23.9	2.0	7.8
9/27/2007	11:30:40	24.8	595	27.1	2.2	7.8
9/27/2007	12:00:40	24.9	597	29.9	2.5	7.8
9/27/2007	12:30:40	25.1	599	33.9	2.8	7.8
9/27/2007	13:00:40	25.2	601	38.9	3.2	7.9
9/27/2007	13:30:40	25.4	603	44.1	3.6	7.9
9/27/2007	14:00:40	25.5	605	49.3	4.0	8.0
9/27/2007	14:30:40	25.6	607	53.1	4.3	8.0

Table 24. Physical property data recorded at 30-minute intervals for station 335458090287000 Bear Bayou near Parchman, Mississippi, September 24–27, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/24/2007	15:01:00	24.5	401	2.5	0.2	7.3
9/24/2007	15:31:00	24.1	402	2.5	0.2	7.3
9/24/2007	16:01:00	24.0	404	2.6	0.2	7.3
9/24/2007	16:31:00	23.9	405	2.6	0.2	7.3
9/24/2007	17:01:00	23.9	406	2.7	0.2	7.3
9/24/2007	17:31:00	23.9	406	2.7	0.2	7.3
9/24/2007	18:01:00	23.9	406	2.9	0.2	7.3
9/24/2007	18:31:00	23.9	407	2.9	0.2	7.3
9/24/2007	19:01:00	24.0	408	3	0.2	7.3
9/24/2007	19:31:00	24.0	408	3	0.3	7.3
9/24/2007	20:01:00	24.0	409	3.1	0.3	7.3
9/24/2007	20:31:00	24.0	411	3.1	0.3	7.3
9/24/2007	21:01:00	24.1	411	3.2	0.3	7.3
9/24/2007	21:31:00	24.0	409	3.2	0.3	7.3
9/24/2007	22:01:00	24.0	408	3.3	0.3	7.3
9/24/2007	22:31:00	24.0	408	3.3	0.3	7.3
9/24/2007	23:01:00	24.0	409	3.3	0.3	7.3
9/24/2007	23:31:00	24.0	410	3.4	0.3	7.3
9/25/2007	0:01:00	24.0	411	3.4	0.3	7.3
9/25/2007	0:31:00	24.0	411	3.4	0.3	7.3
9/25/2007	1:01:00	24.0	410	3.4	0.3	7.3
9/25/2007	1:31:00	24.0	410	3.4	0.3	7.3
9/25/2007	2:01:00	24.0	410	3.4	0.3	7.4
9/25/2007	2:31:00	24.0	410	3.4	0.3	7.4
9/25/2007	3:01:00	24.0	410	3.5	0.3	7.4
9/25/2007	3:31:00	24.0	410	3.5	0.3	7.3
9/25/2007	4:01:00	24.0	409	3.5	0.3	7.4
9/25/2007	4:31:00	23.9	408	3.5	0.3	7.3
9/25/2007	5:01:00	23.9	408	3.5	0.3	7.3
9/25/2007	5:31:00	23.9	408	3.5	0.3	7.3
9/25/2007	6:01:00	23.8	408	3.5	0.3	7.4
9/25/2007	6:31:00	23.8	408	3.5	0.3	7.3
9/25/2007	7:01:00	23.8	409	3.5	0.3	7.3
9/25/2007	7:31:00	23.8	409	3.5	0.3	7.3
9/25/2007	8:01:00	23.7	410	3.5	0.3	7.3
9/25/2007	8:31:00	23.7	410	3.5	0.3	7.3
9/25/2007	9:01:00	23.7	410	3.6	0.3	7.3
9/25/2007	9:31:00	23.7	411	3.6	0.3	7.3
9/25/2007	10:01:00	23.7	411	3.6	0.3	7.3
9/25/2007	10:31:00	23.7	410	3.6	0.3	7.3
9/25/2007	11:01:00	23.7	411	3.6	0.3	7.4

Table 24. Physical property data recorded at 30-minute intervals for station 335458090287000 Bear Bayou near Parchman, Mississippi, September 24–27, 2007.—Continued[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/25/2007	11:31:00	23.7	412	3.6	0.3	7.4
9/25/2007	12:01:00	23.7	412	3.6	0.3	7.4
9/25/2007	12:31:00	23.7	412	3.5	0.3	7.4
9/25/2007	13:01:00	23.8	412	3.6	0.3	7.4
9/25/2007	13:31:00	23.8	412	3.6	0.3	7.3
9/25/2007	14:01:00	23.8	413	3.5	0.3	7.4
9/25/2007	14:31:00	23.8	413	3.5	0.3	7.4
9/25/2007	15:01:00	23.8	414	3.5	0.3	7.3
9/25/2007	15:31:00	23.9	414	3.5	0.3	7.4
9/25/2007	16:01:00	23.9	415	3.5	0.3	7.4
9/25/2007	16:31:00	23.9	415	3.5	0.3	7.4
9/25/2007	17:01:00	23.9	416	3.5	0.3	7.3
9/25/2007	17:31:00	23.9	416	3.4	0.3	7.3
9/25/2007	18:01:00	24.0	417	3.4	0.3	7.3
9/25/2007	18:31:00	24.0	417	3.4	0.3	7.3
9/25/2007	19:01:00	24.0	417	3.4	0.3	7.3
9/25/2007	19:31:00	24.0	417	3.4	0.3	7.3
9/25/2007	20:01:00	24.0	417	3.4	0.3	7.3
9/25/2007	20:31:00	24.0	417	3.4	0.3	7.4
9/25/2007	21:01:00	24.1	416	3.3	0.3	7.3
9/25/2007	21:31:00	24.0	416	3.4	0.3	7.4
9/25/2007	22:01:00	24.0	417	3.4	0.3	7.4
9/25/2007	22:31:00	24.0	416	3.4	0.3	7.4
9/25/2007	23:01:00	24.0	417	3.4	0.3	7.4
9/25/2007	23:31:00	24.1	415	3.4	0.3	7.3
9/26/2007	0:01:00	24.0	417	3.4	0.3	7.4
9/26/2007	0:31:00	24.0	416	3.4	0.3	7.4
9/26/2007	1:01:00	24.0	416	3.4	0.3	7.4
9/26/2007	1:31:00	24.0	416	3.4	0.3	7.3
9/26/2007	2:01:00	24.0	416	3.4	0.3	7.4
9/26/2007	2:31:00	24.0	416	3.4	0.3	7.4
9/26/2007	3:01:00	24.0	416	3.4	0.3	7.4
9/26/2007	3:31:00	23.9	416	3.4	0.3	7.4
9/26/2007	4:01:00	23.9	416	3.4	0.3	7.4
9/26/2007	4:31:00	23.9	416	3.4	0.3	7.4
9/26/2007	5:01:00	23.9	416	3.5	0.3	7.4
9/26/2007	5:31:00	23.9	416	3.5	0.3	7.4
9/26/2007	6:01:00	23.8	416	3.5	0.3	7.4
9/26/2007	6:31:00	23.8	415	3.5	0.3	7.4
9/26/2007	7:01:00	23.8	415	3.5	0.3	7.4
9/26/2007	7:31:00	23.8	416	3.5	0.3	7.3

Table 24. Physical property data recorded at 30-minute intervals for station 335458090287000 Bear Bayou near Parchman, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/26/2007	8:01:00	23.8	418	3.5	0.3	7.3
9/26/2007	8:31:00	23.8	418	3.5	0.3	7.3
9/26/2007	9:01:00	23.7	416	3.6	0.3	7.3
9/26/2007	9:31:00	23.8	417	3.6	0.3	7.3
9/26/2007	10:01:00	23.8	417	3.6	0.3	7.3
9/26/2007	10:31:00	23.8	418	3.6	0.3	7.3
9/26/2007	11:01:00	23.8	418	3.7	0.3	7.3
9/26/2007	11:31:00	23.8	417	3.6	0.3	7.3
9/26/2007	12:01:00	23.8	417	3.6	0.3	7.3
9/26/2007	12:31:00	23.8	418	3.6	0.3	7.3
9/26/2007	13:01:00	23.8	418	3.6	0.3	7.3
9/26/2007	13:31:00	23.8	419	3.6	0.3	7.3
9/26/2007	14:01:00	23.9	419	3.6	0.3	7.3
9/26/2007	14:31:00	23.9	420	3.6	0.3	7.3
9/26/2007	15:01:00	23.9	420	3.6	0.3	7.3
9/26/2007	15:31:00	23.9	421	3.6	0.3	7.3
9/26/2007	16:01:00	24.0	421	3.6	0.3	7.3
9/26/2007	16:31:00	24.0	421	3.6	0.3	7.3
9/26/2007	17:01:00	24.0	421	3.5	0.3	7.3
9/26/2007	17:31:00	24.0	422	3.5	0.3	7.3
9/26/2007	18:01:00	24.0	422	3.5	0.3	7.3
9/26/2007	18:31:00	24.0	422	3.5	0.3	7.3
9/26/2007	19:01:00	24.1	422	3.4	0.3	7.3
9/26/2007	19:31:00	24.1	422	3.4	0.3	7.3
9/26/2007	20:01:00	24.1	422	3.4	0.3	7.3
9/26/2007	20:31:00	24.1	423	3.4	0.3	7.3
9/26/2007	21:01:00	24.1	424	3.4	0.3	7.3
9/26/2007	21:31:00	24.1	424	3.4	0.3	7.3
9/26/2007	22:01:00	24.1	425	3.4	0.3	7.3
9/26/2007	22:31:00	24.1	425	3.4	0.3	7.3
9/26/2007	23:01:00	24.1	424	3.5	0.3	7.3
9/26/2007	23:31:00	24.2	425	3.5	0.3	7.3
9/27/2007	0:01:00	24.2	424	3.5	0.3	7.3
9/27/2007	0:31:00	24.2	424	3.5	0.3	7.3
9/27/2007	1:01:00	24.2	424	3.5	0.3	7.3
9/27/2007	1:31:00	24.1	424	3.5	0.3	7.3
9/27/2007	2:01:00	24.1	422	3.5	0.3	7.3
9/27/2007	2:31:00	24.1	420	3.5	0.3	7.3
9/27/2007	3:01:00	24.1	419	3.5	0.3	7.3
9/27/2007	3:31:00	24.0	420	3.5	0.3	7.3
9/27/2007	4:01:00	24.0	420	3.5	0.3	7.3

Table 24. Physical property data recorded at 30-minute intervals for station 335458090287000 Bear Bayou near Parchman, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/27/2007	4:31:00	24.0	419	3.5	0.3	7.3
9/27/2007	5:01:00	23.9	419	3.5	0.3	7.3
9/27/2007	5:31:00	23.9	422	3.5	0.3	7.3
9/27/2007	6:01:00	23.9	423	3.5	0.3	7.3
9/27/2007	6:31:00	23.8	425	3.6	0.3	7.3
9/27/2007	7:01:00	23.8	425	3.6	0.3	7.3
9/27/2007	7:31:00	23.7	425	3.6	0.3	7.3
9/27/2007	8:01:00	23.7	425	3.6	0.3	7.3
9/27/2007	8:31:00	23.7	427	3.6	0.3	7.3
9/27/2007	9:01:00	23.7	428	3.6	0.3	7.3
9/27/2007	9:31:00	23.7	428	3.5	0.3	7.3
9/27/2007	10:01:00	23.6	426	3.6	0.3	7.3
9/27/2007	10:31:00	23.6	425	3.6	0.3	7.3
9/27/2007	11:01:00	23.6	425	3.6	0.3	7.3
9/27/2007	11:31:00	23.6	425	3.6	0.3	7.3
9/27/2007	12:01:00	23.7	425	3.6	0.3	7.3
9/27/2007	12:31:00	23.7	424	3.6	0.3	7.3
9/27/2007	13:01:00	23.7	423	3.6	0.3	7.3
9/27/2007	13:31:00	23.7	420	3.6	0.3	7.3

Table 25. Physical property data recorded at 30-minute intervals for station 335749090273300 Home Cypress Bayou near Rome, Mississippi, September 17-20, 2007.[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/17/2007	12:00:40	20.9	348	13	1.2
9/17/2007	12:30:40	21.1	348	14.1	1.2
9/17/2007	13:00:40	21.4	348	15.5	1.4
9/17/2007	13:30:40	21.7	347	16.7	1.5
9/17/2007	14:00:40	22.0	347	17.3	1.5
9/17/2007	14:30:40	22.3	348	18	1.6
9/17/2007	15:00:40	22.5	348	18.3	1.6
9/17/2007	15:30:40	22.8	350	17.9	1.5
9/17/2007	16:00:40	22.9	350	17.5	1.5
9/17/2007	16:30:40	23.1	350	16.4	1.4
9/17/2007	17:00:40	23.2	350	15.1	1.3
9/17/2007	17:30:40	23.2	350	13.8	1.2
9/17/2007	18:00:40	23.3	350	12.4	1.1
9/17/2007	18:30:40	23.3	350	11.7	1.0
9/17/2007	19:00:40	23.4	350	10.4	0.9
9/17/2007	19:30:40	23.4	348	9.4	0.8
9/17/2007	20:00:40	23.3	348	9	0.8
9/17/2007	20:30:40	23.3	348	8.3	0.7
9/17/2007	21:00:40	23.2	348	8.2	0.7
9/17/2007	21:30:40	23.2	348	7.9	0.7
9/17/2007	22:00:40	23.1	348	7.5	0.6
9/17/2007	22:30:40	23.1	349	7.4	0.6
9/17/2007	23:00:40	23.0	350	7.4	0.6
9/17/2007	23:30:40	23.0	349	7.2	0.6
9/18/2007	0:00:40	22.9	349	7.2	0.6
9/18/2007	0:30:40	22.8	349	7.2	0.6
9/18/2007	1:00:40	22.7	349	7.4	0.6
9/18/2007	1:30:40	22.6	350	7.4	0.6
9/18/2007	2:00:40	22.5	349	7.2	0.6
9/18/2007	2:30:40	22.4	349	6.8	0.6
9/18/2007	3:00:40	22.3	349	7.3	0.6
9/18/2007	3:30:40	22.2	348	7.3	0.6
9/18/2007	4:00:40	22.1	347	7.1	0.6
9/18/2007	4:30:40	22.0	347	6.8	0.6
9/18/2007	5:00:40	21.8	346	7.2	0.6
9/18/2007	5:30:40	21.8	346	6.8	0.6
9/18/2007	6:00:40	21.6	347	7	0.6
9/18/2007	6:30:40	21.6	347	6.8	0.6
9/18/2007	7:00:40	21.5	349	7.3	0.6
9/18/2007	7:30:40	21.4	350	7.1	0.6
9/18/2007	8:00:40	21.3	350	7.8	0.7

Table 25. Physical property data recorded at 30-minute intervals for station 335749090273300 Home Cypress Bayou near Rome, Mississippi, September 17-20, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/18/2007	8:30:40	21.3	351	7.6	0.7
9/18/2007	9:00:40	21.3	349	8.1	0.7
9/18/2007	9:30:40	21.3	350	8.3	0.7
9/18/2007	10:00:40	21.3	348	9.7	0.9
9/18/2007	10:30:40	21.4	350	10.3	0.9
9/18/2007	11:00:40	21.6	351	10.8	1.0
9/18/2007	11:30:40	21.7	352	10.7	0.9
9/18/2007	12:00:40	21.9	352	12.5	1.1
9/18/2007	12:30:40	22.1	352	13.5	1.2
9/18/2007	13:00:40	22.4	352	13.9	1.2
9/18/2007	13:30:40	22.6	353	14.9	1.3
9/18/2007	14:00:40	22.8	352	14.6	1.3
9/18/2007	14:30:40	22.9	352	15	1.3
9/18/2007	15:00:40	23.0	352	14.5	1.2
9/18/2007	15:30:40	23.2	352	13.3	1.1
9/18/2007	16:00:40	23.3	352	13.2	1.1
9/18/2007	16:30:40	23.4	353	13.1	1.1
9/18/2007	17:00:40	23.4	355	5.3	0.4
9/18/2007	17:30:40	23.5	353	10.5	0.9
9/18/2007	18:00:40	23.5	353	10.3	0.9
9/18/2007	18:30:40	23.5	354	10.1	0.9
9/18/2007	19:00:40	23.5	354	9.5	0.8
9/18/2007	19:30:40	23.4	352	9.3	0.8
9/18/2007	20:00:40	23.4	352	8.5	0.7
9/18/2007	20:30:40	23.3	352	8.5	0.7
9/18/2007	21:00:40	23.2	352	8.3	0.7
9/18/2007	21:30:40	23.1	352	8.2	0.7
9/18/2007	22:00:40	23.0	353	7.7	0.7
9/18/2007	22:30:40	22.9	352	7.2	0.6
9/18/2007	23:00:40	22.8	353	7.8	0.7
9/18/2007	23:30:40	22.8	353	7.4	0.6
9/19/2007	0:00:40	22.7	353	7.3	0.6
9/19/2007	0:30:40	22.6	353	7.6	0.7
9/19/2007	1:00:40	22.5	355	7.4	0.6
9/19/2007	1:30:40	22.4	355	7.5	0.6
9/19/2007	2:00:40	22.2	355	7.6	0.7
9/19/2007	2:30:40	22.1	355	7.3	0.6
9/19/2007	3:00:40	22.0	355	7.1	0.6
9/19/2007	3:30:40	21.9	353	7.2	0.6
9/19/2007	4:00:40	21.8	353	7.6	0.7
9/19/2007	4:30:40	21.6	354	7.2	0.6

Table 25. Physical property data recorded at 30-minute intervals for station 335749090273300 Home Cypress Bayou near Rome, Mississippi, September 17-20, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/19/2007	5:00:40	21.5	355	7.1	0.6
9/19/2007	5:30:40	21.4	354	7.5	0.7
9/19/2007	6:00:40	21.2	355	6.6	0.6
9/19/2007	6:30:40	21.1	353	7.1	0.6
9/19/2007	7:00:40	21.0	355	7.3	0.6
9/19/2007	7:30:40	20.9	355	7.5	0.7
9/19/2007	8:00:40	20.8	355	7.7	0.7
9/19/2007	8:30:40	20.8	354	7.5	0.7
9/19/2007	9:00:40	20.8	354	8	0.7
9/19/2007	9:30:40	20.8	354	8.5	0.8
9/19/2007	10:00:40	20.9	354	9	0.8
9/19/2007	10:30:40	21.1	354	10	0.9
9/19/2007	11:00:40	21.3	354	10.4	0.9
9/19/2007	11:30:40	21.4	354	11.1	1.0
9/19/2007	12:00:40	21.6	355	11.8	1.0
9/19/2007	12:30:40	21.8	355	12.4	1.1
9/19/2007	13:00:40	22.1	355	13	1.1
9/19/2007	13:30:40	22.3	355	13.6	1.2
9/19/2007	14:00:40	22.5	355	14.4	1.2
9/19/2007	14:30:40	22.6	355	14.5	1.3
9/19/2007	15:00:40	22.8	355	14.4	1.2
9/19/2007	15:30:40	22.9	355	14.1	1.2
9/19/2007	16:00:40	22.9	354	13.6	1.2
9/19/2007	16:30:40	22.9	355	13	1.1
9/19/2007	17:00:40	22.9	355	11.8	1.0
9/19/2007	17:30:40	22.9	355	10.6	0.9
9/19/2007	18:00:40	22.8	356	10.2	0.9
9/19/2007	18:30:40	22.8	356	10.1	0.9
9/19/2007	19:00:40	22.7	356	9	0.8
9/19/2007	19:30:40	22.6	356	8.4	0.7
9/19/2007	20:00:40	22.6	357	8.5	0.7
9/19/2007	20:30:40	22.5	356	7.7	0.7
9/19/2007	21:00:40	22.4	356	7.6	0.7
9/19/2007	21:30:40	22.3	357	7.6	0.7
9/19/2007	22:00:40	22.3	357	7.3	0.6
9/19/2007	22:30:40	22.2	358	8.1	0.7
9/19/2007	23:00:40	22.1	358	7	0.6
9/19/2007	23:30:40	22.0	358	7.1	0.6
9/20/2007	0:00:40	21.9	359	6.8	0.6
9/20/2007	0:30:40	21.8	359	7.2	0.6
9/20/2007	1:00:40	21.7	359	7.1	0.6

Table 25. Physical property data recorded at 30-minute intervals for station 335749090273300 Home Cypress Bayou near Rome, Mississippi, September 17-20, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)
9/20/2007	1:30:40	21.6	360	7.1	0.6
9/20/2007	2:00:40	21.4	361	6.9	0.6
9/20/2007	2:30:40	21.3	361	7.2	0.6
9/20/2007	3:00:40	21.2	362	7.2	0.6
9/20/2007	3:30:40	21.1	363	7.4	0.7
9/20/2007	4:00:40	21.0	364	6.8	0.6
9/20/2007	4:30:40	20.9	363	7	0.6
9/20/2007	5:00:40	20.8	364	6.8	0.6
9/20/2007	5:30:40	20.7	364	6.1	0.6
9/20/2007	6:00:40	20.6	365	6.5	0.6
9/20/2007	6:30:40	20.5	367	6.7	0.6
9/20/2007	7:00:40	20.4	367	6.8	0.6
9/20/2007	7:30:40	20.4	366	6.6	0.6
9/20/2007	8:00:40	20.4	366	7	0.6
9/20/2007	8:30:40	20.4	366	7	0.6
9/20/2007	9:00:40	20.4	366	7.4	0.7
9/20/2007	9:30:40	20.6	365	7.5	0.7
9/20/2007	10:00:40	20.7	362	8.5	0.8
9/20/2007	10:30:40	20.9	365	9.6	0.9
9/20/2007	11:00:40	21.1	365	10.3	0.9
9/20/2007	11:30:40	21.3	364	10.7	0.9
9/20/2007	12:00:40	21.5	363	11.3	1.0
9/20/2007	12:30:40	21.8	363	11.7	1.0

Table 26. Physical property data recorded at 30-minute intervals for station 335919090133600 Opossum Bayou near Webb, Mississippi, September 24–27, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/24/2007	10:30:40	24.8	338	41.3	3.4	7.4	--
9/24/2007	11:00:40	24.8	338	42.8	3.5	7.4	--
9/24/2007	11:30:40	24.9	338	49	4.0	7.4	--
9/24/2007	12:00:40	25.1	338	54	4.4	7.4	--
9/24/2007	12:30:40	25.1	338	52.5	4.3	7.4	37
9/24/2007	13:00:40	25.3	338	57.7	4.7	7.4	37
9/24/2007	13:30:40	25.4	339	60.9	5.0	7.4	36
9/24/2007	14:00:40	25.7	339	67.1	5.5	7.5	38
9/24/2007	14:30:40	25.8	339	66.6	5.4	7.5	37
9/24/2007	15:00:40	26.1	338	67	5.4	7.5	41
9/24/2007	15:30:40	26.2	337	70.8	5.7	7.5	38
9/24/2007	16:00:40	26.3	336	76.1	6.1	7.6	38
9/24/2007	16:30:40	26.4	335	78.4	6.3	7.6	36
9/24/2007	17:00:40	26.5	334	79.4	6.4	7.6	35
9/24/2007	17:30:40	26.5	332	81.2	6.5	7.6	36
9/24/2007	18:00:40	26.5	333	77.9	6.3	7.6	37
9/24/2007	18:30:40	26.5	332	74.9	6.0	7.6	38
9/24/2007	19:00:40	26.5	331	72.4	5.8	7.6	40
9/24/2007	19:30:40	26.4	331	69.8	5.6	7.6	41
9/24/2007	20:00:40	26.4	330	68.7	5.5	7.6	47
9/24/2007	20:30:40	26.3	329	66	5.3	7.6	46
9/24/2007	21:00:40	26.2	329	63.3	5.1	7.6	46
9/24/2007	21:30:40	26.1	329	62.9	5.1	7.6	45
9/24/2007	22:00:40	26.1	329	60.7	4.9	7.6	61
9/24/2007	22:30:40	26.0	328	60.1	4.9	7.6	56
9/24/2007	23:00:40	26.0	328	61.8	5.0	7.6	58
9/24/2007	23:30:40	25.9	328	63.7	5.2	7.6	53
9/25/2007	0:00:40	25.9	328	64.1	5.2	7.6	50
9/25/2007	0:30:40	25.8	328	63.1	5.1	7.6	54
9/25/2007	1:00:40	25.8	328	62.8	5.1	7.6	58
9/25/2007	1:30:40	25.7	329	60.6	4.9	7.6	52
9/25/2007	2:00:40	25.6	329	59	4.8	7.6	57
9/25/2007	2:30:40	25.5	330	58.1	4.8	7.6	60
9/25/2007	3:00:40	25.5	330	56.5	4.6	7.5	62
9/25/2007	3:30:40	25.4	331	54.1	4.4	7.5	66
9/25/2007	4:00:40	25.3	332	52.5	4.3	7.5	64
9/25/2007	4:30:40	25.2	333	52	4.3	7.5	55
9/25/2007	5:00:40	25.2	333	51.1	4.2	7.5	54
9/25/2007	5:30:40	25.1	335	49.7	4.1	7.4	48
9/25/2007	6:00:40	25.0	335	48.4	4.0	7.4	50

Table 26. Physical property data recorded at 30-minute intervals for station 335919090133600 Opossum Bayou near Webb, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/25/2007	6:30:40	24.9	335	47.1	3.9	7.4	50
9/25/2007	7:00:40	24.9	336	43.8	3.6	7.4	50
9/25/2007	7:30:40	24.8	336	43.5	3.6	7.4	50
9/25/2007	8:00:40	24.8	337	40.1	3.3	7.4	49
9/25/2007	8:30:40	24.8	337	38.9	3.2	7.4	48
9/25/2007	9:00:40	24.8	337	38.5	3.2	7.4	46
9/25/2007	9:30:40	24.8	338	37.6	3.1	7.4	44
9/25/2007	10:00:40	24.9	338	39	3.2	7.3	44
9/25/2007	10:30:40	24.9	338	36	3.0	7.3	44
9/25/2007	11:00:40	24.9	338	38.9	3.2	7.3	44
9/25/2007	11:30:40	25.0	338	39.7	3.3	7.4	40
9/25/2007	12:00:40	25.1	338	43	3.5	7.4	40
9/25/2007	12:30:40	25.2	338	45.4	3.7	7.4	39
9/25/2007	13:00:40	25.3	338	51.1	4.2	7.4	41
9/25/2007	13:30:40	25.4	338	52.7	4.3	7.4	39
9/25/2007	14:00:40	25.4	339	52.7	4.3	7.4	40
9/25/2007	14:30:40	25.5	340	52.9	4.3	7.4	42
9/25/2007	15:00:40	25.5	340	52.1	4.3	7.4	42
9/25/2007	15:30:40	25.6	340	49.5	4.0	7.4	41
9/25/2007	16:00:40	25.6	341	47.7	3.9	7.3	42
9/25/2007	16:30:40	25.7	341	50.2	4.1	7.3	40
9/25/2007	17:00:40	25.7	342	50.5	4.1	7.3	39
9/25/2007	17:30:40	25.8	341	52.2	4.2	7.3	37
9/25/2007	18:00:40	25.8	340	49.6	4.0	7.3	39
9/25/2007	18:30:40	25.9	340	55	4.5	7.4	36
9/25/2007	19:00:40	25.9	341	57.8	4.7	7.4	39
9/25/2007	19:30:40	25.9	341	57.4	4.7	7.4	33
9/25/2007	20:00:40	25.8	341	56.4	4.6	7.4	39
9/25/2007	20:30:40	25.8	341	52.8	4.3	7.3	46
9/25/2007	21:00:40	25.7	342	51.1	4.2	7.3	45
9/25/2007	21:30:40	25.7	343	49.4	4.0	7.3	42
9/25/2007	22:00:40	25.6	344	48.1	3.9	7.3	45
9/25/2007	22:30:40	25.5	339	46.1	3.8	7.3	73
9/25/2007	23:00:40	25.1	315	61.9	5.1	7.4	92
9/25/2007	23:30:40	25.2	326	55.3	4.5	7.3	110
9/26/2007	0:00:40	25.1	319	54.6	4.5	7.4	120
9/26/2007	0:30:40	25.0	314	56.1	4.6	7.4	110
9/26/2007	1:00:40	24.9	308	60.4	5.0	7.5	110
9/26/2007	1:30:40	24.9	307	63.2	5.2	7.5	110
9/26/2007	2:00:40	25.0	315	65.6	5.4	7.6	99

Table 26. Physical property data recorded at 30-minute intervals for station 335919090133600 Opossum Bayou near Webb, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/26/2007	2:30:40	25.1	325	68.6	5.6	7.6	70
9/26/2007	3:00:40	25.2	329	70	5.8	7.6	66
9/26/2007	3:30:40	25.2	332	70.9	5.8	7.6	69
9/26/2007	4:00:40	25.3	334	71.8	5.9	7.6	72
9/26/2007	4:30:40	25.3	337	73.3	6.0	7.7	80
9/26/2007	5:00:40	25.4	339	76.5	6.3	7.7	86
9/26/2007	5:30:40	25.4	340	78.9	6.5	7.7	88
9/26/2007	6:00:40	25.4	341	79.3	6.5	7.7	93
9/26/2007	6:30:40	25.4	342	78.6	6.4	7.7	100
9/26/2007	7:00:40	25.3	342	77.8	6.4	7.7	100
9/26/2007	7:30:40	25.2	342	76.9	6.3	7.7	97
9/26/2007	8:00:40	25.2	343	75.6	6.2	7.7	98
9/26/2007	8:30:40	25.2	344	74.2	6.1	7.7	98
9/26/2007	9:00:40	25.2	345	73.7	6.1	7.6	100
9/26/2007	9:30:40	25.2	346	73.5	6.0	7.6	98
9/26/2007	10:00:40	25.3	347	72.8	6.0	7.6	94
9/26/2007	10:30:40	25.3	348	73.4	6.0	7.6	92
9/26/2007	11:00:40	25.3	350	73.1	6.0	7.6	88
9/26/2007	11:30:40	25.3	351	73.6	6.0	7.6	85
9/26/2007	12:00:40	25.3	352	76.4	6.3	7.6	83
9/26/2007	12:30:40	25.4	354	82.2	6.7	7.7	80
9/26/2007	13:00:40	25.6	355	88.9	7.3	7.8	77
9/26/2007	13:30:40	25.8	356	96.9	7.9	7.8	75
9/26/2007	14:00:40	25.9	356	97.4	7.9	7.8	74
9/26/2007	14:30:40	26.0	356	98.6	8.0	7.9	70
9/26/2007	15:00:40	26.1	356	99.7	8.1	7.9	70
9/26/2007	15:30:40	26.2	356	96.5	7.8	7.9	71
9/26/2007	16:00:40	26.2	355	94	7.6	7.9	73
9/26/2007	16:30:40	26.3	354	93.3	7.5	7.9	75
9/26/2007	17:00:40	26.4	353	93.5	7.5	7.9	77
9/26/2007	17:30:40	26.6	353	93.6	7.5	7.9	81
9/26/2007	18:00:40	26.6	355	91.5	7.3	7.9	85
9/26/2007	18:30:40	26.7	357	90.4	7.2	7.8	88
9/26/2007	19:00:40	26.7	361	88.5	7.1	7.8	88
9/26/2007	19:30:40	26.6	365	86.2	6.9	7.8	88
9/26/2007	20:00:40	26.5	370	83.2	6.7	7.7	90
9/26/2007	20:30:40	26.4	375	81.5	6.6	7.7	90
9/26/2007	21:00:40	26.4	381	81.9	6.6	7.7	90
9/26/2007	21:30:40	26.3	385	81.8	6.6	7.7	93
9/26/2007	22:00:40	26.1	392	80.3	6.5	7.7	100

Table 26. Physical property data recorded at 30-minute intervals for station 335919090133600 Opossum Bayou near Webb, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/26/2007	22:30:40	26.0	396	78.9	6.4	7.7	110
9/26/2007	23:00:40	26.0	400	78	6.3	7.6	110
9/26/2007	23:30:40	26.0	403	78.3	6.3	7.6	120
9/27/2007	0:00:40	26.0	405	79.7	6.5	7.7	120
9/27/2007	0:30:40	26.1	406	80.7	6.5	7.7	120
9/27/2007	1:00:40	26.1	403	80.1	6.5	7.7	120
9/27/2007	1:30:40	26.0	399	77.9	6.3	7.7	130
9/27/2007	2:00:40	25.8	394	75.6	6.2	7.7	130
9/27/2007	2:30:40	25.6	390	73.5	6.0	7.6	130
9/27/2007	3:00:40	25.4	386	71.8	5.9	7.6	130
9/27/2007	3:30:40	25.3	383	71	5.8	7.6	130
9/27/2007	4:00:40	25.2	380	70.7	5.8	7.6	140
9/27/2007	4:30:40	25.1	377	70.3	5.8	7.6	140
9/27/2007	5:00:40	25.1	374	69.6	5.7	7.6	140
9/27/2007	5:30:40	25.0	372	68.5	5.6	7.6	130
9/27/2007	6:00:40	25.0	369	67.6	5.6	7.6	130
9/27/2007	6:30:40	25.0	365	67.3	5.6	7.6	130
9/27/2007	7:00:40	25.0	360	67	5.5	7.6	159
9/27/2007	7:30:40	25.1	352	66.9	5.5	7.6	160
9/27/2007	8:00:40	25.2	344	66.3	5.4	7.6	170
9/27/2007	8:30:40	25.3	340	64.8	5.3	7.6	190
9/27/2007	9:00:40	25.3	340	63.7	5.2	7.5	190
9/27/2007	9:30:40	25.4	343	63.3	5.2	7.5	210
9/27/2007	10:00:40	25.4	348	64.6	5.3	7.6	220
9/27/2007	10:30:40	25.5	352	65.1	5.3	7.6	230
9/27/2007	11:00:44	25.6	355	66.5	5.4	7.6	259
9/27/2007	11:30:40	25.7	358	68.4	5.6	7.6	260
9/27/2007	12:00:40	25.9	360	71.3	5.8	7.6	240
9/27/2007	12:30:40	26.1	361	74.5	6.0	7.6	250

Table 27. Physical property data recorded at 30-minute intervals for station 340157090071200 Unnamed Tributary Panola Floodway near Charleston, Mississippi, September 24–27, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/24/2007	13:31:00	25.1	140	61.8	5.1	7.2	--
9/24/2007	14:01:00	25.2	140	59.9	4.9	7.2	--
9/24/2007	14:31:00	25.4	140	63.6	5.2	7.2	--
9/24/2007	15:01:00	25.4	140	61.2	5.0	7.2	--
9/24/2007	15:31:00	25.4	140	64.1	5.2	7.2	--
9/24/2007	16:01:00	25.6	140	69.5	5.7	7.3	--
9/24/2007	16:31:00	25.8	140	71	5.8	7.3	--
9/24/2007	17:01:00	25.7	140	64.7	5.3	7.2	--
9/24/2007	17:31:00	25.8	140	68.8	5.6	7.3	--
9/24/2007	18:01:00	25.7	139	68.4	5.6	7.3	--
9/24/2007	18:31:00	25.7	140	66.2	5.4	7.2	--
9/24/2007	19:01:00	25.7	140	63.7	5.2	7.2	--
9/24/2007	19:31:00	25.8	140	59.2	4.8	7.2	--
9/24/2007	20:01:00	25.8	140	66.3	5.4	7.3	--
9/24/2007	20:31:00	25.8	139	67.5	5.5	7.2	--
9/24/2007	21:01:00	25.7	140	65.9	5.4	7.3	--
9/24/2007	21:31:00	25.7	139	68	5.5	7.3	--
9/24/2007	22:01:00	25.6	139	66.2	5.4	7.2	--
9/24/2007	22:31:00	25.6	139	66.9	5.5	7.3	--
9/24/2007	23:01:00	25.5	140	64.2	5.3	7.2	--
9/24/2007	23:31:00	25.4	140	64.6	5.3	7.2	--
9/25/2007	0:01:00	25.4	140	61.5	5.1	7.2	--
9/25/2007	0:31:00	25.3	140	59.3	4.9	7.2	--
9/25/2007	1:01:00	25.3	140	58.7	4.8	7.2	--
9/25/2007	1:31:00	25.3	140	57.6	4.7	7.2	10
9/25/2007	2:01:00	25.2	140	54	4.4	7.2	14
9/25/2007	2:31:00	25.2	140	53.6	4.4	7.2	13
9/25/2007	3:01:00	25.1	140	52.5	4.3	7.2	11
9/25/2007	3:31:00	25.1	140	50.9	4.2	7.1	19
9/25/2007	4:01:00	25.0	140	48.2	4.0	7.1	10
9/25/2007	4:31:00	25.0	140	49.8	4.1	7.1	11
9/25/2007	5:01:00	24.9	140	50.5	4.2	7.1	16
9/25/2007	5:31:00	24.9	141	47.3	3.9	7.1	17
9/25/2007	6:01:00	24.8	141	44.8	3.7	7.1	10
9/25/2007	6:31:00	24.8	141	45	3.7	7.1	13
9/25/2007	7:01:00	24.7	141	42.9	3.6	7.1	9
9/25/2007	7:31:00	24.7	141	43.4	3.6	7.1	13
9/25/2007	8:01:00	24.7	141	42.7	3.5	7.1	9
9/25/2007	8:31:00	24.7	141	41.8	3.5	7.1	9
9/25/2007	9:01:00	24.7	141	41.2	3.4	7.1	10

Table 27. Physical property data recorded at 30-minute intervals for station 340157090071200 Unnamed Tributary Panola Floodway near Charleston, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/25/2007	9:31:00	24.8	141	43.7	3.6	7.1	18
9/25/2007	10:01:00	24.8	141	44.1	3.6	7.1	16
9/25/2007	10:31:00	24.8	141	42.2	3.5	7.1	14
9/25/2007	11:01:00	24.9	141	41.6	3.4	7.1	15
9/25/2007	11:31:00	25.0	141	41.9	3.5	7.1	17
9/25/2007	12:01:00	25.1	141	43.1	3.5	7.1	21
9/25/2007	12:31:00	25.2	141	43.5	3.6	7.1	17
9/25/2007	13:01:00	25.4	141	51.6	4.2	7.1	21
9/25/2007	13:31:00	25.4	141	49	4.0	7.1	15
9/25/2007	14:01:00	25.5	141	53.9	4.4	7.1	15
9/25/2007	14:31:00	25.5	141	52.4	4.3	7.1	14
9/25/2007	15:01:00	25.6	137	63.7	5.2	7.2	32
9/25/2007	15:31:00	25.5	138	57.1	4.7	7.2	25
9/25/2007	16:01:00	25.7	138	68.1	5.5	7.2	26
9/25/2007	16:31:00	25.8	138	63.5	5.2	7.2	23
9/25/2007	17:01:00	25.6	138	63.2	5.2	7.2	31
9/25/2007	17:31:00	25.7	138	63.7	5.2	7.2	28
9/25/2007	18:01:00	25.7	138	58.7	4.8	7.2	17
9/25/2007	18:31:00	25.7	139	59.4	4.8	7.2	15
9/25/2007	19:01:00	25.6	139	58.1	4.8	7.2	16
9/25/2007	19:31:00	25.6	139	54.3	4.4	7.2	9
9/25/2007	20:01:00	25.6	139	56.6	4.6	7.2	7
9/25/2007	20:31:00	25.6	139	56.1	4.6	7.2	5
9/25/2007	21:01:00	25.5	139	58.1	4.8	7.2	9
9/25/2007	21:31:00	25.5	139	56.8	4.6	7.2	8
9/25/2007	22:01:00	25.4	139	55.5	4.5	7.2	8
9/25/2007	22:31:00	25.4	140	52.2	4.3	7.2	9
9/25/2007	23:01:00	25.3	139	54.4	4.5	7.2	13
9/25/2007	23:31:00	25.3	139	54.6	4.5	7.2	16
9/26/2007	0:01:00	25.2	139	54.3	4.5	7.2	16
9/26/2007	0:31:00	25.2	139	54.5	4.5	7.2	16
9/26/2007	1:01:00	25.1	139	51.6	4.3	7.2	14
9/26/2007	1:31:00	25.1	139	53.2	4.4	7.2	13
9/26/2007	2:01:00	25.0	138	52.7	4.3	7.2	13
9/26/2007	2:31:00	24.9	138	50.1	4.2	7.1	13
9/26/2007	3:01:00	24.9	138	49.7	4.1	7.1	17
9/26/2007	3:31:00	24.9	138	50.1	4.2	7.1	19
9/26/2007	4:01:00	24.8	139	49.1	4.1	7.1	18
9/26/2007	4:31:00	24.8	139	47.1	3.9	7.1	15
9/26/2007	5:01:00	24.7	139	47.6	4.0	7.1	17

Table 27. Physical property data recorded at 30-minute intervals for station 340157090071200 Unnamed Tributary Panola Floodway near Charleston, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/26/2007	5:31:00	24.7	138	47.9	4.0	7.1	14
9/26/2007	6:01:00	24.6	139	46.3	3.8	7.1	17
9/26/2007	6:31:00	24.6	139	45.6	3.8	7.1	16
9/26/2007	7:01:00	24.6	139	45.1	3.8	7.1	16
9/26/2007	7:31:00	24.6	139	43.2	3.6	7.1	18
9/26/2007	8:01:00	24.6	139	42.9	3.6	7.1	15
9/26/2007	8:31:00	24.5	139	45.5	3.8	7.1	14
9/26/2007	9:01:00	24.5	139	43.9	3.7	7.1	13
9/26/2007	9:31:00	24.6	139	46	3.8	7.1	12
9/26/2007	10:01:00	24.7	139	43.9	3.6	7.1	13
9/26/2007	10:31:00	24.7	139	44.3	3.7	7.1	14
9/26/2007	11:01:00	24.7	139	45.2	3.8	7.1	15
9/26/2007	11:31:00	24.7	139	44.1	3.7	7.1	14
9/26/2007	12:01:00	24.7	139	45.4	3.8	7.1	15
9/26/2007	12:31:00	24.8	139	43.5	3.6	7.1	10
9/26/2007	13:01:00	24.8	139	44.9	3.7	7.1	13
9/26/2007	13:31:00	24.8	139	47.2	3.9	7.1	11
9/26/2007	14:01:00	24.8	139	48.4	4.0	7.1	15
9/26/2007	14:31:00	24.8	139	47	3.9	7.1	10
9/26/2007	15:01:00	24.9	139	53.4	4.4	7.1	11
9/26/2007	15:31:00	25.0	139	51.8	4.3	7.1	12
9/26/2007	16:01:00	25.0	139	55	4.5	7.2	13
9/26/2007	16:31:00	25.0	139	53.4	4.4	7.1	14
9/26/2007	17:01:00	25.0	139	48.7	4.0	7.1	11
9/26/2007	17:31:00	25.1	139	58.1	4.8	7.2	8
9/26/2007	18:01:00	25.1	139	56.9	4.7	7.2	13
9/26/2007	18:31:00	25.1	139	56.8	4.7	7.2	13
9/26/2007	19:01:00	25.1	139	56.3	4.6	7.2	12
9/26/2007	19:31:00	25.1	139	55.8	4.6	7.2	13
9/26/2007	20:01:00	25.0	139	57.7	4.8	7.2	12
9/26/2007	20:31:00	25.0	139	59.2	4.9	7.2	9
9/26/2007	21:01:00	24.9	138	60.2	5.0	7.2	7
9/26/2007	21:31:00	24.9	138	61.4	5.1	7.2	10
9/26/2007	22:01:00	24.9	138	60.1	5.0	7.2	6
9/26/2007	22:31:00	24.8	138	58.7	4.9	7.2	7
9/26/2007	23:01:00	24.8	138	57.4	4.8	7.2	9
9/26/2007	23:31:00	24.7	138	55	4.6	7.2	4
9/27/2007	0:01:00	24.7	138	53.4	4.4	7.2	6
9/27/2007	0:31:00	24.6	138	50.9	4.2	7.1	7
9/27/2007	1:01:00	24.5	138	48.5	4.0	7.1	8

Table 27. Physical property data recorded at 30-minute intervals for station 340157090071200 Unnamed Tributary Panola Floodway near Charleston, Mississippi, September 24–27, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric unit; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/27/2007	1:31:00	24.5	138	47.7	4.0	7.1	6
9/27/2007	2:01:00	24.4	137	46.3	3.9	7.1	7
9/27/2007	2:31:00	24.3	137	45.1	3.8	7.1	6
9/27/2007	3:01:00	24.2	137	44.6	3.7	7.1	9
9/27/2007	3:31:00	24.1	136	42.7	3.6	7.1	9
9/27/2007	4:01:00	24.1	136	42.4	3.6	7.1	10
9/27/2007	4:31:00	24.0	136	41.5	3.5	7.1	7
9/27/2007	5:01:00	24.0	136	41.9	3.5	7.1	6
9/27/2007	5:31:00	23.9	136	40.1	3.4	7.1	5
9/27/2007	6:01:00	23.9	136	41.9	3.5	7.1	4
9/27/2007	6:31:00	23.8	136	40.9	3.4	7.1	6
9/27/2007	7:01:00	23.8	136	43.2	3.6	7.1	5
9/27/2007	7:31:00	23.8	136	43.4	3.7	7.1	7
9/27/2007	8:01:00	23.8	135	45.3	3.8	7.1	8
9/27/2007	8:31:00	23.8	135	45.1	3.8	7.1	9
9/27/2007	9:01:00	23.8	135	45	3.8	7.1	7
9/27/2007	9:31:00	24.0	135	47.8	4.0	7.1	7
9/27/2007	10:01:00	24.1	135	49.7	4.2	7.1	6
9/27/2007	10:31:00	24.1	135	50.2	4.2	7.1	9
9/27/2007	11:01:00	24.3	135	51.3	4.3	7.1	8
9/27/2007	11:31:00	24.3	134	48.9	4.1	7.1	8

Table 28. Physical property data recorded at 30-minute intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/4/2007	11:30:40	24.2	179	43	3.6	7.1	31
10/4/2007	12:00:40	24.2	179	52.9	4.4	7.1	28
10/4/2007	12:30:40	24.4	179	55.2	4.6	7.2	20
10/4/2007	13:00:40	24.4	179	57.7	4.8	7.2	21
10/4/2007	13:30:40	24.3	180	51.5	4.3	7.1	9
10/4/2007	14:00:40	24.6	179	65.5	5.5	7.2	10
10/4/2007	14:30:40	24.9	178	73.7	6.1	7.3	15
10/4/2007	15:00:40	24.8	178	91.9	7.6	7.4	12
10/4/2007	15:30:40	25.0	178	101.6	8.4	7.4	12
10/4/2007	16:00:40	25.2	178	121.4	10.0	7.7	6
10/4/2007	16:30:40	25.3	178	117.6	9.7	7.8	4
10/4/2007	17:00:40	25.7	178	111.6	9.1	7.7	6
10/4/2007	17:30:40	25.3	177	92.4	7.6	7.4	40
10/4/2007	18:00:40	25.2	177	86.4	7.1	7.3	26
10/4/2007	18:30:40	25.2	177	86.5	7.1	7.3	24
10/4/2007	19:00:40	25.2	177	80.4	6.6	7.3	25
10/4/2007	19:30:40	25.4	177	87.9	7.2	7.4	16
10/4/2007	20:00:40	25.7	177	84.3	6.9	7.3	43
10/4/2007	20:30:40	25.7	177	82.8	6.8	7.3	34
10/4/2007	21:00:40	25.6	177	72.1	5.9	7.3	27
10/4/2007	21:30:40	25.5	178	78.8	6.5	7.3	20
10/4/2007	22:00:40	25.5	177	82.3	6.7	7.3	16
10/4/2007	22:30:40	25.4	177	83	6.8	7.3	19
10/4/2007	23:00:40	25.3	177	79.9	6.6	7.2	16
10/4/2007	23:30:40	25.2	177	74.2	6.1	7.3	15
10/5/2007	0:00:40	25.2	177	67.4	5.6	7.2	17
10/5/2007	0:30:40	25.1	178	65.2	5.4	7.2	17
10/5/2007	1:00:40	25.1	178	61	5.0	7.1	19
10/5/2007	1:30:40	25.0	178	51.8	4.3	7.1	26
10/5/2007	2:00:40	24.9	182	51.5	4.3	7.1	16
10/5/2007	2:30:40	24.9	180	50.5	4.2	7.1	16
10/5/2007	3:00:40	24.8	180	49.8	4.1	7.1	14
10/5/2007	3:30:40	24.7	181	46.1	3.8	7.1	15
10/5/2007	4:00:40	24.7	181	44.2	3.7	7.1	18
10/5/2007	4:30:40	24.6	182	41	3.4	7.0	13
10/5/2007	5:00:40	24.5	181	39.7	3.3	7.0	14
10/5/2007	5:30:40	24.5	180	38	3.2	7.0	17
10/5/2007	6:00:40	24.5	180	33.3	2.8	7.0	13
10/5/2007	6:30:40	24.4	183	30.6	2.6	7.0	14
10/5/2007	7:00:40	24.3	181	32.8	2.7	7.0	15

Table 28. Physical property data recorded at 30-minute intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/5/2007	7:30:40	24.3	182	28.3	2.4	7.0	14
10/5/2007	8:00:40	24.2	181	27.3	2.3	7.0	12
10/5/2007	8:30:40	24.2	181	27.5	2.3	7.0	20
10/5/2007	9:00:40	24.2	181	25.4	2.1	7.0	12
10/5/2007	9:30:40	24.2	180	24.9	2.1	7.0	19
10/5/2007	10:00:40	24.4	179	45	3.8	7.1	24
10/5/2007	10:30:40	24.4	180	32.8	2.7	7.0	14
10/5/2007	11:00:40	24.6	180	40.9	3.4	7.1	12
10/5/2007	11:30:40	24.7	180	46.3	3.8	7.1	7
10/5/2007	12:00:40	25.0	179	65.5	5.4	7.2	5
10/5/2007	12:30:40	25.2	181	74.4	6.1	7.2	6
10/5/2007	13:00:40	25.5	179	81.1	6.6	7.3	6
10/5/2007	13:30:40	25.4	179	86.7	7.1	7.4	4
10/5/2007	14:00:40	25.5	179	94.1	7.7	7.4	6
10/5/2007	14:30:40	25.8	178	99.3	8.1	7.5	7
10/5/2007	15:00:40	26.0	177	108.3	8.8	7.6	7
10/5/2007	15:30:40	25.8	178	96.4	7.9	7.4	6
10/5/2007	16:00:40	26.0	177	101	8.2	7.4	5
10/5/2007	16:30:40	26.6	178	111.1	8.9	7.8	4
10/5/2007	17:00:40	26.5	179	119.4	9.6	7.8	4
10/5/2007	17:30:40	26.6	178	121.5	9.8	7.9	5
10/5/2007	18:00:40	26.4	178	106.4	8.6	7.5	6
10/5/2007	18:30:40	26.5	178	100.8	8.1	7.6	8
10/5/2007	19:00:40	26.4	178	95.1	7.7	7.4	23
10/5/2007	19:30:40	26.4	178	93.5	7.5	7.3	9
10/5/2007	20:00:40	26.5	178	87.5	7.0	7.4	5
10/5/2007	20:30:40	26.4	178	87.5	7.0	7.3	5
10/5/2007	21:00:40	26.3	179	72	5.8	7.2	4
10/5/2007	21:30:40	26.2	179	77.2	6.2	7.3	8
10/5/2007	22:00:40	26.2	179	80.7	6.5	7.3	11
10/5/2007	22:30:40	26.1	179	77.2	6.2	7.2	11
10/5/2007	23:00:40	26.0	179	75.3	6.1	7.2	10
10/5/2007	23:30:40	26.0	179	70.1	5.7	7.2	10
10/6/2007	0:00:40	25.9	179	70.4	5.7	7.2	16
10/6/2007	0:30:40	25.8	180	67	5.4	7.2	12
10/6/2007	1:00:40	25.8	180	64.7	5.3	7.1	12
10/6/2007	1:30:40	25.7	180	60.2	4.9	7.1	8
10/6/2007	2:00:40	25.6	180	55.4	4.5	7.1	12
10/6/2007	2:30:40	25.5	180	55.3	4.5	7.1	18
10/6/2007	3:00:40	25.5	180	50.5	4.1	7.0	22

Table 28. Physical property data recorded at 30-minute intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/6/2007	3:30:40	25.5	179	49.7	4.1	7.0	42
10/6/2007	4:00:40	25.3	180	46.8	3.8	7.0	28
10/6/2007	4:30:40	25.2	180	37.1	3.1	7.0	55
10/6/2007	5:00:40	25.2	180	36.8	3.0	7.0	63
10/6/2007	5:30:40	25.1	179	35.9	3.0	7.0	119
10/6/2007	6:00:40	25.1	179	29.6	2.4	7.0	99
10/6/2007	6:30:40	25.0	179	30.8	2.5	7.0	120
10/6/2007	7:00:40	25.0	179	22.4	1.8	6.9	140
10/6/2007	7:30:40	24.9	179	21.2	1.8	6.9	130
10/6/2007	8:00:40	24.9	179	20.9	1.7	6.9	110
10/6/2007	8:30:40	24.8	180	18.9	1.6	6.9	71
10/6/2007	9:00:40	24.7	181	17.8	1.5	7.0	63
10/6/2007	9:30:40	24.8	180	16.7	1.4	6.9	85
10/6/2007	10:00:40	24.8	179	18.6	1.5	7.0	89
10/6/2007	10:30:40	24.8	181	27.3	2.3	7.0	37
10/6/2007	11:00:40	24.9	181	38.3	3.2	7.0	16
10/6/2007	11:30:40	25.1	180	53.4	4.4	7.1	10
10/6/2007	12:00:40	25.6	178	72.6	5.9	7.2	16
10/6/2007	12:30:40	26.0	177	101.2	8.1	7.4	9
10/6/2007	13:00:40	26.3	177	104.3	8.4	7.4	5
10/6/2007	13:30:40	26.5	178	104.1	8.4	7.4	9
10/6/2007	14:00:40	26.6	178	96.6	7.8	7.4	16
10/6/2007	14:30:40	26.6	178	94.9	7.6	7.4	13
10/6/2007	15:00:40	26.9	178	91.7	7.3	7.4	11
10/6/2007	15:30:40	27.6	175	167.3	13.1	7.7	5
10/6/2007	16:00:40	27.5	178	136.7	10.9	7.8	6
10/6/2007	16:30:40	27.8	174	212.8	16.6	8.6	5
10/6/2007	17:00:40	27.5	176	147.8	11.8	8.2	4
10/6/2007	17:30:40	27.5	179	118	9.4	7.7	4
10/6/2007	18:00:40	27.8	178	110.5	8.7	7.5	3
10/6/2007	18:30:40	27.7	178	102.8	8.1	7.5	4
10/6/2007	19:00:40	27.5	178	100.7	8.0	7.4	13
10/6/2007	19:30:40	27.4	178	80.5	6.4	7.3	11
10/6/2007	20:00:40	27.5	178	87.8	6.9	7.2	21
10/6/2007	20:30:40	27.4	178	89.4	7.1	7.2	20
10/6/2007	21:00:40	27.3	177	82	6.5	7.1	17
10/6/2007	21:30:40	27.2	178	79.3	6.3	7.2	11
10/6/2007	22:00:40	27.1	179	77.8	6.2	7.2	12
10/6/2007	22:30:40	27.0	179	73	5.8	7.1	9
10/6/2007	23:00:40	26.9	178	69.5	5.5	7.1	9

Table 28. Physical property data recorded at 30-minute intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S/cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S/cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/6/2007	23:30:40	26.8	178	63	5.0	7.1	8
10/7/2007	0:00:40	26.7	180	55.9	4.5	7.1	10
10/7/2007	0:30:40	26.6	180	55.1	4.4	7.1	8
10/7/2007	1:00:40	26.5	181	55.3	4.4	7.1	7
10/7/2007	1:30:40	26.4	181	49.6	4.0	7.0	28
10/7/2007	2:00:40	26.3	180	43.3	3.5	7.0	35
10/7/2007	2:30:40	26.2	180	45.3	3.6	7.0	21
10/7/2007	3:00:40	26.1	181	43.4	3.5	7.0	40
10/7/2007	3:30:40	26.0	180	37.1	3.0	7.0	99
10/7/2007	4:00:40	25.9	180	35.1	2.8	7.0	76
10/7/2007	4:30:40	25.8	181	34.9	2.8	7.0	73
10/7/2007	5:00:40	25.8	180	31.4	2.6	7.0	109
10/7/2007	5:30:40	25.6	181	30	2.4	7.0	80
10/7/2007	6:00:40	25.5	181	27	2.2	6.9	79
10/7/2007	6:30:40	25.4	182	21.8	1.8	6.9	109
10/7/2007	7:00:40	25.3	181	19.9	1.6	6.9	120
10/7/2007	7:30:40	25.4	180	18.8	1.5	6.9	120
10/7/2007	8:00:40	25.2	181	16.4	1.4	6.9	80
10/7/2007	8:30:40	25.1	182	12.9	1.1	6.9	59
10/7/2007	9:00:40	24.9	183	13.3	1.1	6.9	52
10/7/2007	9:30:40	25.1	180	19.6	1.6	7.0	94
10/7/2007	10:00:40	25.1	180	17.4	1.4	6.9	82
10/7/2007	10:30:40	25.3	180	17.9	1.5	6.9	119
10/7/2007	11:00:40	25.6	179	38.1	3.1	7.0	45
10/7/2007	11:30:40	25.6	180	50.1	4.1	7.0	20
10/7/2007	12:00:40	25.8	180	71.5	5.8	7.1	11
10/7/2007	12:30:40	26.3	179	94.1	7.6	7.2	18
10/7/2007	13:00:40	26.2	179	86.1	7.0	7.2	14
10/7/2007	13:30:40	26.3	179	74.8	6.0	7.2	5
10/7/2007	14:00:40	26.8	179	98	7.8	7.3	6
10/7/2007	14:30:40	27.1	178	138.5	10.9	7.7	4
10/7/2007	15:00:40	27.9	177	202.7	15.8	8.6	3
10/7/2007	15:30:40	28.2	178	169.9	13.3	8.5	2
10/7/2007	16:00:40	28.7	178	140.4	10.9	8.2	2
10/7/2007	16:30:40	28.2	179	142.2	11.1	8.0	1
10/7/2007	17:00:40	27.9	180	123.8	9.7	7.7	2
10/7/2007	17:30:40	27.9	180	106.7	8.4	7.4	2
10/7/2007	18:00:40	27.9	179	93.2	7.3	7.4	4
10/7/2007	18:30:40	27.8	179	100.3	7.9	7.4	38
10/7/2007	19:00:40	27.7	178	94.3	7.4	7.4	73

Table 28. Physical property data recorded at 30-minute intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/7/2007	19:30:40	27.9	177	99.8	7.8	7.4	68
10/7/2007	20:00:40	27.6	177	79.7	6.3	7.3	47
10/7/2007	20:30:40	27.4	178	70.5	5.6	7.2	25
10/7/2007	21:00:40	27.4	178	79.5	6.3	7.2	30
10/7/2007	21:30:40	27.3	178	72.5	5.8	7.2	22
10/7/2007	22:00:40	27.2	179	65.7	5.2	7.2	21
10/7/2007	22:30:40	27.1	179	62.8	5.0	7.1	15
10/7/2007	23:00:40	27.0	180	54.7	4.4	7.1	20
10/7/2007	23:30:40	26.9	179	56.8	4.5	7.1	22
10/8/2007	0:00:40	26.8	180	57.2	4.6	7.1	23
10/8/2007	0:30:40	26.7	180	44.9	3.6	7.1	28
10/8/2007	1:00:40	26.6	180	46.9	3.8	7.1	26
10/8/2007	1:30:40	26.5	180	42.4	3.4	7.0	48
10/8/2007	2:00:40	26.4	179	43.1	3.5	7.0	56
10/8/2007	2:30:40	26.3	179	38	3.1	7.0	88
10/8/2007	3:00:40	26.2	180	37.8	3.0	7.0	91
10/8/2007	3:30:40	26.1	179	32.9	2.7	7.0	110
10/8/2007	4:00:40	26.1	179	23	1.9	7.0	139
10/8/2007	4:30:40	25.9	180	30.4	2.5	7.0	93
10/8/2007	5:00:40	25.9	180	28.4	2.3	7.0	96
10/8/2007	5:30:40	25.8	180	24.4	2.0	6.9	110
10/8/2007	6:00:40	25.7	179	24.2	2.0	6.9	120
10/8/2007	6:30:40	25.5	180	19.5	1.6	6.9	198
10/8/2007	7:00:40	25.5	180	15.5	1.3	6.9	141
10/8/2007	7:30:40	25.4	181	20.5	1.7	6.9	111
10/8/2007	8:00:40	25.2	182	15.1	1.2	6.9	77
10/8/2007	8:30:40	25.2	182	8.9	0.7	6.9	71
10/8/2007	9:00:40	25.4	179	9.2	0.8	6.9	148
10/8/2007	9:30:40	25.3	179	9	0.7	6.9	130
10/8/2007	10:00:40	25.4	179	10.5	0.9	6.9	130
10/8/2007	10:30:40	25.6	180	9.7	0.8	6.9	101
10/8/2007	11:00:40	25.9	180	18.4	1.5	6.9	91
10/8/2007	11:30:40	26.1	180	38.1	3.1	7.0	79
10/8/2007	12:00:40	26.4	179	65	5.2	7.1	55
10/8/2007	12:30:40	26.9	180	84.2	6.7	7.2	40
10/8/2007	13:00:40	27.1	182	97.2	7.7	7.4	35
10/8/2007	13:30:40	27.6	179	103.4	8.1	7.4	22
10/8/2007	14:00:40	27.4	179	96.7	7.6	7.3	16
10/8/2007	14:30:40	27.3	181	96.4	7.6	7.3	22
10/8/2007	15:00:40	27.4	179	102.9	8.1	7.5	20

Table 28. Physical property data recorded at 30-minute intervals for station 340423090210800 Hopson Bayou at Vance, Mississippi, October 4–9, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
10/8/2007	15:30:40	27.6	178	121.8	9.6	7.7	28
10/8/2007	16:00:40	27.5	178	107.5	8.5	7.5	33
10/8/2007	16:30:40	27.5	177	109.5	8.6	7.4	70
10/8/2007	17:00:40	27.8	180	100.1	7.9	7.4	43
10/8/2007	17:30:40	28.2	179	121.3	9.4	7.6	23
10/8/2007	18:00:40	28.1	178	109.5	8.6	7.5	19
10/8/2007	18:30:40	27.8	178	103.3	8.1	7.4	21
10/8/2007	19:00:40	27.6	178	101.5	8.0	7.4	27
10/8/2007	19:30:40	27.5	177	95	7.5	7.4	27
10/8/2007	20:00:40	27.2	172	92.8	7.4	7.4	38
10/8/2007	20:30:40	27.1	178	84.2	6.7	7.3	35
10/8/2007	21:00:40	26.8	179	76.6	6.1	7.3	40
10/8/2007	21:30:40	26.7	178	71.5	5.7	7.2	47
10/8/2007	22:00:40	26.6	178	62.2	5.0	7.2	47
10/8/2007	22:30:40	26.5	177	64.4	5.2	7.2	49
10/8/2007	23:00:40	26.4	176	67.7	5.4	7.2	46
10/8/2007	23:30:40	26.3	176	61.8	5.0	7.2	47
10/9/2007	0:00:40	26.2	177	56	4.5	7.1	43

Table 29. Physical property data recorded at 30-minute intervals for station 341640090055100 Unnamed Tributary to Tallahatchie River near Locke Station, Mississippi, September 17–19, 2007.[μ S/cm, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data; E, estimated]

Date	Time	Water temperature (degrees Celsius)	Specific conductance (μ S/cm)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/17/2007	13:00:40	22.9	1340	13.1	1.1	8.0	--
9/17/2007	13:30:40	23.2	1350	11.6	1.0	7.9	--
9/17/2007	14:00:40	23.6	1360	9	0.8	7.9	--
9/17/2007	14:30:40	23.9	1360	9	0.8	7.9	--
9/17/2007	15:00:40	24.0	1360	11.6	1.0	7.9	--
9/17/2007	15:30:40	24.2	1360	10.9	0.9	7.9	--
9/17/2007	16:00:40	24.3	1360	9.2	0.8	7.9	--
9/17/2007	16:30:40	24.3	1360	8.4	0.7	7.9	--
9/17/2007	17:00:40	24.1	1360	7.3	0.6	7.9	--
9/17/2007	17:30:40	24.0	1360	6.6	0.6	7.9	--
9/17/2007	18:00:40	23.9	1350	6.4	0.5	7.9	--
9/17/2007	18:30:40	23.8	1350	7.4	0.6	8.0	--
9/17/2007	19:00:40	23.6	1350	8.2	0.7	8.0	--
9/17/2007	19:30:40	23.3	1340	12	1.0	8.0	--
9/17/2007	20:00:40	22.9	1340	12.9	1.1	8.0	--
9/17/2007	20:30:40	22.6	1340	17.8	1.5	8.0	--
9/17/2007	21:00:40	22.3	1340	17.6	1.5	8.0	--
9/17/2007	21:30:40	22.0	1340	17	1.5	8.0	--
9/17/2007	22:00:40	21.9	1340	17.6	1.5	8.0	--
9/17/2007	22:30:40	21.7	1350	16.1	1.4	8.0	--
9/17/2007	23:00:40	21.6	1350	17	1.5	8.0	--
9/17/2007	23:30:40	21.4	1370	17.3	1.5	8.0	--
9/18/2007	0:00:40	21.2	1370	15.5	1.4	8.0	--
9/18/2007	0:30:40	21.0	1380	13.6	1.2	8.0	--
9/18/2007	1:00:40	20.9	1400	12.5	1.1	8.0	--
9/18/2007	1:30:40	20.8	1420	12.3	1.1	8.0	--
9/18/2007	2:00:40	20.7	1430	11	1.0	8.0	94
9/18/2007	2:30:40	20.6	1430	9.9	0.9	8.0	86
9/18/2007	3:00:40	20.5	1430	8.8	0.8	8.0	92
9/18/2007	3:30:40	20.5	1430	5.9	0.5	8.0	90
9/18/2007	4:00:40	20.4	1430	6	0.5	8.0	92
9/18/2007	4:30:40	20.3	1430	6.8	0.6	8.0	95
9/18/2007	5:00:40	20.3	1430	5.3	0.5	8.0	92
9/18/2007	5:30:40	20.2	1430	5.2	0.5	8.0	90
9/18/2007	6:00:40	20.2	1430	4.8	0.4	8.0	91
9/18/2007	6:30:40	20.1	1430	4.4	0.4	8.0	91
9/18/2007	7:00:40	20.0	1430	4.3	0.4	8.0	90
9/18/2007	7:30:40	20.0	1430	4.3	0.4	8.0	90
9/18/2007	8:00:40	20.0	1430	4.3	0.4	8.0	90
9/18/2007	8:30:40	20.0	1430	4.3	0.4	8.0	89

Table 29. Physical property data recorded at 30-minute intervals for station 341640090055100 Unnamed Tributary to Tallahatchie River near Locke Station, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data; E, estimated]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/18/2007	9:00:40	20.2	1430	4.4	0.4	8.0	88
9/18/2007	9:30:40	20.4	1440	4.3	0.4	8.0	89
9/18/2007	10:00:40	20.5	1440	4.4	0.4	8.0	88
9/18/2007	10:30:40	20.8	1440	4.4	0.4	8.0	89
9/18/2007	11:00:40	21.1	1440	4.5	0.4	8.0	87
9/18/2007	11:30:40	21.6	1450	4.6	0.4	8.0	86
9/18/2007	12:00:40	22.3	1460	4.7	0.4	8.0	88
9/18/2007	12:30:40	23.0	1460	4.9	0.4	8.0	87
9/18/2007	13:00:40	23.7	1460	5.1	0.4	8.0	89
9/18/2007	13:30:40	24.3	1460	5.4	0.4	8.0	88
9/18/2007	14:00:40	24.8	1460	5.6	0.5	8.0	86
9/18/2007	14:30:40	25.1	1460	5.7	0.5	8.0	88
9/18/2007	15:00:40	25.2	1450	5.8	0.5	8.0	91
9/18/2007	15:30:40	25.2	1450	5.8	0.5	8.0	89
9/18/2007	16:00:40	25.2	1440	5.8	0.5	8.0	88
9/18/2007	16:30:40	25.0	1440	5.7	0.5	8.0	88
9/18/2007	17:00:40	24.9	1440	5.7	0.5	8.0	89
9/18/2007	17:30:40	24.7	1440	5.6	0.5	8.0	89
9/18/2007	18:00:40	24.4	1440	9.1	0.8	8.1	85
9/18/2007	18:30:40	24.2	1440	9.3	0.8	8.1	85
9/18/2007	19:00:40	23.9	1440	8.6	0.7	8.0	85
9/18/2007	19:30:40	23.5	1430	11.1	0.9	8.1	81
9/18/2007	20:00:40	23.1	1430	10.1	0.9	8.0	82
9/18/2007	20:30:40	22.8	1430	8.7	0.7	8.0	82
9/18/2007	21:00:40	22.6	1430	8.4	0.7	8.0	83
9/18/2007	21:30:40	22.1	1440	10.3	0.9	8.0	95
9/18/2007	22:00:40	21.9	1440	5.4	0.5	8.0	90
9/18/2007	22:30:40	21.6	1440	4.9	0.4	8.0	86
9/18/2007	23:00:40	21.4	1430	4.4	0.4	7.9	E 1107
9/18/2007	23:30:40	21.3	1420	6.1	0.5	7.6	E 1257
9/19/2007	0:00:40	21.1	1410	6.2	0.5	7.5	E 1260
9/19/2007	0:30:40	21.2	1410	6.1	0.5	7.5	E 1260
9/19/2007	1:00:40	21.1	1400	6.1	0.5	7.5	E 1260
9/19/2007	1:30:40	20.5	1400	5.8	0.5	7.6	E 1250
9/19/2007	2:00:40	20.7	1400	5.8	0.5	7.5	E 1260
9/19/2007	2:30:40	20.2	1390	5.5	0.5	7.5	E 1250
9/19/2007	3:00:40	20.1	1400	5.5	0.5	7.6	E 1250
9/19/2007	3:30:40	20.0	1390	5.4	0.5	7.6	E 1250
9/19/2007	4:00:40	19.8	1390	5.4	0.5	7.6	E 1250
9/19/2007	4:30:40	19.9	1390	5.3	0.5	7.6	E 1250

Table 29. Physical property data recorded at 30-minute intervals for station 341640090055100 Unnamed Tributary to Tallahatchie River near Locke Station, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data; E, estimated]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/19/2007	5:00:40	19.8	1390	5.3	0.5	7.6	E 1250
9/19/2007	5:30:40	19.6	1390	5.2	0.5	7.6	E 1250
9/19/2007	6:00:40	19.5	1390	5.2	0.5	7.6	E 1240
9/19/2007	6:30:40	19.1	1390	5.1	0.5	7.5	E 1191
9/19/2007	7:00:40	19.1	1380	5	0.5	7.5	E 1190
9/19/2007	7:30:40	19.0	1380	5	0.5	7.6	E 1170
9/19/2007	8:00:40	19.0	1380	5	0.5	7.5	E 1150
9/19/2007	8:30:40	18.9	1370	5	0.5	7.5	E 1130
9/19/2007	9:00:40	18.9	1380	5	0.5	7.6	E 1081
9/19/2007	9:30:40	18.9	1380	5	0.5	7.6	E 1080
9/19/2007	10:00:40	19.1	1390	5	0.5	7.5	E 1060
9/19/2007	10:30:40	19.3	1390	5.1	0.5	7.5	E 1050
9/19/2007	11:00:40	19.6	1400	5.1	0.5	7.5	E 1079
9/19/2007	11:30:40	20.0	1420	5.2	0.5	7.5	E 1012
9/19/2007	12:00:40	20.7	1430	5.4	0.5	7.5	E 981
9/19/2007	12:30:40	21.4	1440	5.6	0.5	7.5	E 960
9/19/2007	13:00:40	22.1	1440	5.8	0.5	7.5	E 950
9/19/2007	13:30:40	22.6	1440	5.9	0.5	7.5	E 930
9/19/2007	14:00:40	23.0	1440	6	0.5	7.5	E 950
9/19/2007	14:30:40	23.3	1440	6	0.5	7.5	E 921
9/19/2007	15:00:40	23.6	1440	6.2	0.5	7.5	E 871
9/19/2007	15:30:40	23.7	1430	6.4	0.5	7.6	E 870
9/19/2007	16:00:40	23.8	1430	6.3	0.5	7.6	E 850
9/19/2007	16:30:40	23.7	1420	6.3	0.5	7.6	E 830
9/19/2007	17:00:40	23.8	1410	6.1	0.5	7.6	E 830

Table 30. Physical property data recorded at 30-minute intervals for station 341701090113300 Ash Log Bayou near Bobo, Mississippi, September 17–19, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/17/2007	14:31:00	24.8	365	131.4	10.9	8.6	--
9/17/2007	15:01:00	25.2	359	118.4	9.7	8.2	18
9/17/2007	15:31:00	25.5	361	120.5	9.8	8.2	26
9/17/2007	16:01:00	25.8	364	126.9	10.3	8.4	18
9/17/2007	16:31:00	25.9	369	147.2	11.8	8.6	9
9/17/2007	17:01:00	26.3	360	137.2	11.1	8.5	8
9/17/2007	17:31:00	26.3	356	124.5	10.0	8.3	17
9/17/2007	18:01:00	26.1	366	136.3	11.0	8.5	13
9/17/2007	18:31:00	26.1	352	116.5	9.5	8.1	17
9/17/2007	19:01:00	26.0	361	123.1	10.0	8.4	17
9/17/2007	19:31:00	25.7	362	121.6	9.9	8.4	20
9/17/2007	20:01:00	25.6	365	121.3	9.9	8.4	24
9/17/2007	20:31:00	25.4	368	122.7	10.1	8.5	26
9/17/2007	21:01:00	25.3	369	120.5	9.9	8.4	28
9/17/2007	21:31:00	25.1	373	123	10.1	8.6	18
9/17/2007	22:01:00	25.0	375	121.8	10.1	8.6	22
9/17/2007	22:31:00	24.8	377	119.3	9.9	8.5	26
9/17/2007	23:01:00	24.7	378	118.6	9.8	8.6	27
9/17/2007	23:31:00	24.6	378	120.7	10.0	8.6	19
9/18/2007	0:01:00	24.4	378	121.2	10.1	8.6	17
9/18/2007	0:31:00	24.3	379	121.1	10.1	8.6	16
9/18/2007	1:01:00	24.2	379	120.5	10.1	8.6	14
9/18/2007	1:31:00	24.1	379	121.2	10.2	8.6	13
9/18/2007	2:01:00	24.0	379	121.4	10.2	8.6	12
9/18/2007	2:31:00	23.9	380	121.1	10.2	8.6	11
9/18/2007	3:01:00	23.8	379	121.4	10.3	8.6	10
9/18/2007	3:31:00	23.6	379	121.1	10.2	8.7	10
9/18/2007	4:01:00	23.6	380	120.1	10.2	8.6	10
9/18/2007	4:31:00	23.5	380	117	9.9	8.6	18
9/18/2007	5:01:00	23.4	380	114.9	9.8	8.6	28
9/18/2007	5:31:00	23.3	380	112.9	9.6	8.6	33
9/18/2007	6:01:00	23.2	380	110.5	9.4	8.6	32
9/18/2007	6:31:00	23.1	379	107	9.2	8.5	28
9/18/2007	7:01:00	23.0	380	104	8.9	8.5	26
9/18/2007	7:31:00	22.9	381	103.9	8.9	8.5	20
9/18/2007	8:01:00	22.8	380	101.1	8.7	8.4	23
9/18/2007	8:31:00	22.8	381	102.5	8.8	8.5	19
9/18/2007	9:01:00	22.7	382	104.4	9.0	8.5	20
9/18/2007	9:31:00	23.0	381	106.1	9.1	8.5	18
9/18/2007	10:01:00	22.9	380	110.6	9.5	8.6	18

Table 30. Physical property data recorded at 30-minute intervals for station 341701090113300 Ash Log Bayou near Bobo, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/18/2007	10:31:00	23.0	376	108.6	9.3	8.5	18
9/18/2007	11:01:00	23.2	374	112.6	9.6	8.5	16
9/18/2007	11:31:00	23.5	374	116.1	9.9	8.6	16
9/18/2007	12:01:00	23.9	372	120.6	10.2	8.6	15
9/18/2007	12:31:00	24.3	373	126.3	10.6	8.6	14
9/18/2007	13:01:00	24.9	369	133.4	11.0	8.7	12
9/18/2007	13:31:00	25.2	370	137.3	11.3	8.7	13
9/18/2007	14:01:00	25.6	365	139.6	11.4	8.7	12
9/18/2007	14:31:00	26.0	364	145.5	11.8	8.7	12
9/18/2007	15:01:00	26.2	364	149.4	12.1	8.8	12
9/18/2007	15:31:00	26.6	368	152.2	12.2	8.8	13
9/18/2007	16:01:00	26.7	363	152.2	12.2	8.8	11
9/18/2007	16:31:00	26.7	359	152.7	12.2	8.8	12
9/18/2007	17:01:00	26.7	359	153.6	12.3	8.8	12
9/18/2007	17:31:00	26.8	366	154.8	12.4	8.8	13
9/18/2007	18:01:00	26.6	361	155.3	12.4	8.8	13
9/18/2007	18:31:00	26.5	366	153.6	12.3	8.8	14
9/18/2007	19:01:00	26.4	364	151.1	12.2	8.8	15
9/18/2007	19:31:00	26.1	361	148.5	12.0	8.8	16
9/18/2007	20:01:00	26.0	363	145.7	11.8	8.8	15
9/18/2007	20:31:00	25.7	362	143.8	11.7	8.8	19
9/18/2007	21:01:00	25.5	364	141	11.5	8.8	20
9/18/2007	21:31:00	25.3	364	137.5	11.3	8.7	22
9/18/2007	22:01:00	25.1	364	134.3	11.1	8.7	21
9/18/2007	22:31:00	24.9	368	129.9	10.8	8.7	27
9/18/2007	23:01:00	24.7	371	126.5	10.5	8.6	20
9/18/2007	23:31:00	24.5	371	123.4	10.3	8.6	18
9/19/2007	0:01:00	24.3	372	119.8	10.0	8.6	19
9/19/2007	0:31:00	24.1	373	116.7	9.8	8.6	18
9/19/2007	1:01:00	24.0	375	113.8	9.6	8.6	16
9/19/2007	1:31:00	23.7	375	110.2	9.3	8.6	18
9/19/2007	2:01:00	23.6	376	107.9	9.1	8.6	17
9/19/2007	2:31:00	23.4	378	105.6	9.0	8.5	15
9/19/2007	3:01:00	23.2	378	104	8.9	8.5	16
9/19/2007	3:31:00	23.1	379	102	8.7	8.5	16
9/19/2007	4:01:00	22.9	381	100.5	8.6	8.5	14
9/19/2007	4:31:00	22.8	381	98.5	8.5	8.5	24
9/19/2007	5:01:00	22.6	381	97.1	8.4	8.4	9
9/19/2007	5:31:00	22.4	382	95.5	8.3	8.4	10
9/19/2007	6:01:00	22.2	382	94.3	8.2	8.4	10

Table 30. Physical property data recorded at 30-minute intervals for station 341701090113300 Ash Log Bayou near Bobo, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter; FNU, formazin nephelometric units; --, no data]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)	Turbidity (FNU)
9/19/2007	6:31:00	22.1	384	91.8	8.0	8.4	12
9/19/2007	7:01:00	21.9	383	90.6	7.9	8.4	12
9/19/2007	7:31:00	21.8	383	89	7.8	8.4	13
9/19/2007	8:01:00	21.7	383	88.2	7.8	8.3	12
9/19/2007	8:31:00	21.8	386	88.2	7.7	8.3	12
9/19/2007	9:01:00	21.9	386	90.5	7.9	8.4	11
9/19/2007	9:31:00	21.9	386	90.6	7.9	8.4	11
9/19/2007	10:01:00	22.2	384	95.1	8.3	8.4	11
9/19/2007	10:31:00	22.2	381	98.1	8.5	8.4	10
9/19/2007	11:01:00	22.8	382	106.5	9.2	8.5	12
9/19/2007	11:31:00	23.2	378	112	9.6	8.5	10
9/19/2007	12:01:00	23.4	378	120.3	10.2	8.6	9
9/19/2007	12:31:00	23.6	379	119.6	10.1	8.6	10
9/19/2007	13:01:00	24.1	381	123.6	10.4	8.6	9
9/19/2007	13:31:00	24.6	382	128.4	10.7	8.6	7
9/19/2007	14:01:00	25.1	382	131.3	10.8	8.6	10
9/19/2007	14:31:00	25.5	377	137.8	11.3	8.7	8
9/19/2007	15:01:00	25.7	375	146.6	11.9	8.8	6
9/19/2007	15:31:00	25.9	379	146.2	11.9	8.8	6
9/19/2007	16:01:00	26.3	378	148.1	11.9	8.7	6
9/19/2007	16:31:00	26.4	374	159.1	12.8	8.8	6
9/19/2007	17:01:00	26.3	376	156.3	12.6	8.8	7

Table 31. Physical property data recorded at 30-minute intervals for station 344516090164400 Floyd Bayou, near Green River, Mississippi, September 17–19, 2007.[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/17/2007	18:00:40	30.6	450	54.8	4.1	8.2
9/17/2007	18:30:40	29.8	452	41.9	3.2	8.1
9/17/2007	19:00:40	29.2	453	32.9	2.5	8.1
9/17/2007	19:30:40	28.6	455	19.2	1.5	8.0
9/17/2007	20:00:40	27.9	456	15.8	1.2	8.0
9/17/2007	20:30:40	27.2	457	13.3	1.0	7.9
9/17/2007	21:00:40	26.7	459	9.4	0.8	7.9
9/17/2007	21:30:40	26.2	460	6.8	0.6	7.9
9/17/2007	22:00:40	25.7	462	4.2	0.3	7.9
9/17/2007	22:30:40	25.3	464	2.8	0.2	7.9
9/17/2007	23:00:40	24.7	467	2.4	0.2	7.8
9/17/2007	23:30:40	24.5	467	2.2	0.2	7.8
9/18/2007	0:00:40	24.1	468	2	0.2	7.8
9/18/2007	0:30:40	23.8	470	2.1	0.2	7.8
9/18/2007	1:00:40	23.4	471	1.9	0.2	7.8
9/18/2007	1:30:40	23.1	472	1.9	0.2	7.8
9/18/2007	2:00:40	22.6	474	1.7	0.1	7.7
9/18/2007	2:30:40	22.4	474	1.9	0.2	7.7
9/18/2007	3:00:40	22.0	475	1.8	0.1	7.7
9/18/2007	3:30:40	21.7	476	1.7	0.1	7.7
9/18/2007	4:00:40	21.4	477	1.7	0.1	7.7
9/18/2007	4:30:40	21.2	477	2	0.2	7.7
9/18/2007	5:00:40	21.0	478	2.1	0.2	7.7
9/18/2007	5:30:40	20.8	480	2	0.2	7.7
9/18/2007	6:00:40	20.7	481	1.7	0.1	7.7
9/18/2007	6:30:40	20.5	482	1.7	0.1	7.7
9/18/2007	7:00:40	20.4	482	1.6	0.1	7.7
9/18/2007	7:30:40	20.2	483	4.2	0.4	7.7
9/18/2007	8:00:40	20.3	484	10	0.9	7.7
9/18/2007	8:30:40	20.6	484	21.5	1.9	7.7
9/18/2007	9:00:40	21.2	483	45	4.0	7.8
9/18/2007	9:30:40	22.0	483	62.4	5.4	8.0
9/18/2007	10:00:40	23.2	480	94.2	7.9	8.2
9/18/2007	10:30:40	24.5	476	116.6	9.7	8.3
9/18/2007	11:00:40	26.0	473	145.7	11.8	8.5
9/18/2007	11:30:40	27.2	469	162.9	12.9	8.6
9/18/2007	12:00:40	28.4	466	176.5	13.7	8.7
9/18/2007	12:30:40	29.6	460	191.1	14.5	8.8
9/18/2007	13:00:40	30.7	454	198.1	14.8	8.9
9/18/2007	13:30:40	31.6	452	201.1	14.8	8.9
9/18/2007	14:00:40	31.9	450	199.3	14.6	8.9

Table 31. Physical property data recorded at 30-minute intervals for station 344516090164400 Floyd Bayou, near Green River, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/18/2007	14:30:40	32.4	447	199.1	14.4	8.9
9/18/2007	15:00:40	32.5	446	196.4	14.2	8.9
9/18/2007	15:30:40	32.6	445	192.3	13.9	8.9
9/18/2007	16:00:40	32.6	443	188.7	13.6	8.9
9/18/2007	16:30:40	32.4	441	190.2	13.8	8.9
9/18/2007	17:00:40	31.7	444	164.8	12.1	8.9
9/18/2007	17:30:40	30.8	446	141.1	10.5	8.8
9/18/2007	18:00:40	30.0	447	120.1	9.1	8.8
9/18/2007	18:30:40	29.3	451	97.8	7.5	8.7
9/18/2007	19:00:40	28.6	455	73	5.6	8.7
9/18/2007	19:30:40	27.9	459	52.2	4.1	8.6
9/18/2007	20:00:40	27.3	464	33.6	2.7	8.5
9/18/2007	20:30:40	26.7	468	22.4	1.8	8.4
9/18/2007	21:00:40	26.2	471	12	1.0	8.4
9/18/2007	21:30:40	25.5	474	7.9	0.6	8.3
9/18/2007	22:00:40	25.0	476	2.5	0.2	8.2
9/18/2007	22:30:40	24.6	478	2.9	0.2	8.2
9/18/2007	23:00:40	24.1	480	1.9	0.2	8.2
9/18/2007	23:30:40	23.6	482	1.8	0.2	8.1
9/19/2007	0:00:40	23.2	484	1.6	0.1	8.1
9/19/2007	0:30:40	22.8	485	1.6	0.1	8.0
9/19/2007	1:00:40	22.4	486	1.6	0.1	8.0
9/19/2007	1:30:40	22.0	487	1.5	0.1	8.0
9/19/2007	2:00:40	21.6	488	1.5	0.1	8.0
9/19/2007	2:30:40	21.3	489	1.8	0.2	7.9
9/19/2007	3:00:40	20.7	491	1.8	0.2	7.9
9/19/2007	3:30:40	20.5	492	1.7	0.1	7.9
9/19/2007	4:00:40	20.2	492	1.5	0.1	7.9
9/19/2007	4:30:40	19.9	493	1.7	0.2	7.8
9/19/2007	5:00:40	19.6	495	1.7	0.1	7.8
9/19/2007	5:30:40	19.4	495	1.6	0.1	7.8
9/19/2007	6:00:40	18.9	496	1.4	0.1	7.8
9/19/2007	6:30:40	18.7	497	1.5	0.1	7.8
9/19/2007	7:00:40	18.5	499	1.8	0.2	7.8
9/19/2007	7:30:40	18.3	499	1.8	0.2	7.8
9/19/2007	8:00:40	18.3	499	3.9	0.4	7.7
9/19/2007	8:30:40	18.7	500	15.8	1.5	7.8
9/19/2007	9:00:40	19.5	498	31.1	2.9	7.9
9/19/2007	9:30:40	20.6	496	60	5.3	8.0
9/19/2007	10:00:40	21.9	493	80.1	7.0	8.2
9/19/2007	10:30:40	23.4	489	111.2	9.3	8.3

Table 31. Physical property data recorded at 30-minute intervals for station 344516090164400 Floyd Bayou, near Green River, Mississippi, September 17–19, 2007.—Continued[$\mu\text{S}/\text{cm}$, microsiemens per centimeter; %sat, percent saturation; mg/L, milligrams per liter]

Date	Time	Water temperature (degrees Celsius)	Specific conductance ($\mu\text{S}/\text{cm}$)	Dissolved oxygen (%sat)	Dissolved oxygen (mg/L)	pH (standard units)
9/19/2007	11:00:40	24.9	485	135	11.2	8.5
9/19/2007	11:30:40	26.3	480	163	13.1	8.6
9/19/2007	12:00:40	27.7	473	183.5	14.4	8.7
9/19/2007	12:30:40	29.1	466	202.3	15.5	8.8
9/19/2007	13:00:40	30.3	459	210.3	15.8	8.9
9/19/2007	13:30:40	31.2	455	208.9	15.4	8.9
9/19/2007	14:00:40	31.9	450	218.6	16.0	9.0
9/19/2007	14:30:40	32.7	444	220.9	15.9	9.0
9/19/2007	15:00:40	33.0	440	220.7	15.8	9.0